

## AUTOEVALUARE

referitoare la îndeplinirea standardelor minime necesare și obligatorii conferirea atestatului de abilitare,  
conform Ordinului nr. 6129/2016

**Candidat:** Prof.univ.dr.ing.ec. Dumitru Nedelcu

### 1. FIȘA DE VERIFICARE privind îndeplinirea condițiilor minime cu referire la punctaj

Nr.crt.	Domeniul de activitate	Conditii Profesor	Punctaj obtinut candidat
1	Activitatea didactică / profesională (A1)	Minim 130 puncte	<b>527,16</b>
2	Activitatea de cercetare (A2)	Minim 300 puncte	<b>2642,65</b>
3	Recunoașterea impactului activității (A3)	Minim 100 puncte	<b>1784,49</b>
	<b>TOTAL (A1 + A2 + A3):</b>	<b>530 puncte</b>	<b>4954,3</b>

### 2. FIȘA DE VERIFICARE privind îndeplinirea condițiilor minime cu referire la categorii

1. Criterii și condiții						
Nr.crt.	Domeniul activităților	Tipul activităților	Categorii și restricții	Subcategorii	Indicatori unitari (kpi)	Rezultate obținute
0	1	2	3	4	5	6

1	Activitatea didactica si profesionala (A1)	1.1 Carti/maunale/monografii/ capitole in carti de specialitate	1.1.1 Carti/manuale/monografii/ capitole in carti de specialitate ca autor	1.1.1.1 internationale	nr.pagini/(5*nr . autori)	<p>1). Daniel Chiriță, <b>Dumitru Nedelcu (corresponding author)</b>, <i>Advanced Manufacturing of the Holes by Controlled Texture</i>, Experiments and Simulations in Advanced Manufacturing, Editors: Panagiotis Kyratsis, J, Paulo Davim, Springer Nature Switzerland AG, capitol acceptat, <b>(23/5x2=2,3)</b></p> <p>2). <b>Dumitru Nedelcu</b>, Andrei-Danut Mazurchevici, <i>Calorimetry, structure and morphology of printed samples from biodegradable materials using FDM 3D printing technology</i>, Fused Deposition Modeling based 3D Printing, Editors: Harshit Dave, J. Paulo Davim, Springer Nature Switzerland AG, capitol acceptat, <b>(14/5x2=1,4)</b></p> <p>3). Hargovind Soni, S. Narendranath, M.R. Ramesh, <b>Dumitru Nedelcu</b>, Madindwa Mashinin and Anil Kumar, <i>Development of Ti<sub>50</sub>Ni<sub>50-x</sub>Co<sub>x</sub> (X=1 and 5 at. %) Shape Memory Alloy and Investigation of Input Process Parameters of Wire Spark Discharge Machining</i>, Chapter 4, 77-97, S. Pathak (ed.) <i>Intelligent Manufacturing Materials Forming, Machining and Tribology</i>, Springer Nature Switzerland AG 2021, <b>(20/5x6=0,66)</b></p> <p>4). A D Mazurchevici, R I Popa, C Carausu, S N Mazurchevici, <b>D Nedelcu</b>, <i>Influence of layer thickness, infill rate and orientation on thermal and structural loading of FDM parts</i>, Advances in Manufacturing Processes, <b>Editors: Harshit Dave, Dumitru Nedelcu</b>, Springer Nature Book Series, Singapore, capitol acceptat, <b>(14/5x5=0,56)</b></p> <p>5). <b>Dumitru Nedelcu</b>, Petru Cobzaru, Lucian Tabacaru, (2006), <i>Quality increasing and manufacturing cost reducing of shaft grooves obtained by cold plastic deformation using Taguchi method</i>, Advanced Technologies, Research-Development-Application, Published by the pIV pro literature Verlag Robert Mayer-Scholz, Mammendorf-Germany, pp. 691-699, ISBN 3-86611-197-5 <b>(8/5x3=0,53)</b></p> <p>6). <b>Nedelcu, D.</b>, Pruteanu, O.V., <i>Aspecte ale formării canelurilor exterioare prin deformare plastică la rece utilizând metoda Taguchi</i>, Tehnica-Info Publishing House, Chișinău, 2000, ISBN 9975-910-96-3 <b>(261/5x2=26,1)</b></p> <p>7). Lucio Martin Matarranz, Francisco Javier Santos Martin, <u>Nedelcu Dumitru</u>, <i>Some characteristics concerning the production management on small and medium enterprises (SME)</i>, 2010, online, www.worldcat.org (110/5x3=7,33)</p> <p style="text-align: right;"><b>TOTAL: 38,88p</b></p>
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			1.1.1.2 nationale (edituri recunoscute CNCSIS); Profesor minim 2 prim autor; Conferentiar minim 1 prim autor	nr.pagini/(10* nr. autori)	<p><b>1.</b> Daniel Chirita, <b>Dumitru Nedelcu</b>, <i>Contributii privind prelucrarea alezajelor prin rotopercutie</i>, ISBN 978-606-13-5733-8, Editura PIM Iasi, 2020, <b>(163/10x2=8,15)</b></p> <p><b>2.</b> Andrei Mazurchevici, <b>Dumitru Nedelcu</b>, (2020), <i>Contribuții la studiul procesului de printare 3D a materialelor biodegradabile</i>, ISBN 978-606-13-5712-3, editura PIM Iasi, 2020, <b>(226/10x2=11,3)</b></p> <p><b>3.</b> Pavel Iurea, <b>Dumitru Nedelcu</b>, (2020), <i>Contribuții privind influența parametrilor tehnologici asupra tensiunilor remanente la fabricația inelelor de rulmenți</i>, 2020, ISBN 978-606-23-1125-4, editura Printech, Bucuresti, 2020, <b>(234/10x2=11,7)</b></p> <p><b>4.</b> <b>Dumitru Nedelcu</b>, Ioan Carcea, Gigel Neagu, Lucian Tabacaru, Cristian Predescu, Remus Zagan, <i>Tehnologii de obtinere a materialelor compozite</i>, Editura Politehniun, Iasi, 2009, ISBN 978-973-621-288-8 <b>(252/10x6=4,2)</b></p> <p><b>5.</b> <b>Nedelcu, D.</b>, <i>Managementul economico-financiar</i>, Editura Politehniun, Iași, 2007, ISBN 978-973-621-170-6 <b>(196/10x1=19,6)</b></p> <p><b>6.</b> <b>Nedelcu, D.</b>, Pruteanu, O.V., <i>Managementul proiectelor</i>, Editura Politehniun, Iași, 2005, ISBN 973-621-123-1 <b>(334/10x2=16,7)</b></p> <p><b>7.</b> <b>Nedelcu, D.</b>, Muscă, G., Badea, C., Muse, E., Pugin, J., Naloop, R., Cărăușu, C., Merticaru, V., <i>Ghid practic pentru formatori-cursanți</i>, Editura Junimea, Iași, 2003, ISBN 973-37-0908-5 <b>(760/10x8=9,5)</b></p> <p><b>8.</b> Gavril, M., <b>Nedelcu, D.</b>, Sofronie, A., <i>Baze de date</i>, Casa de Editură Venus, Iași, 2002, ISBN 973-8174-90-2 <b>(235/10x3=7,83)</b></p> <p><b>9.</b> Mihail Voicu, Dorel Leon, Corneliu Lazar, Carmen Teodosiu, Theodor Mateescu, Dodu Ursu, Iulian Ciocoiu, Mircea Gusa, Ioan Cojocaru, Cezar Oprisan, Dan Gelu Galusca, Mariana Ursache, Virgiliu Onofrei, Luminita Maica, Maria Carcea, Constanta Comandar, Luminita Lupu, Nicolae Seghedin, Ion Bogdan, <b>Dumitru Nedelcu</b>, Delia Todorean, <i>Manualul procedurilor pentru evaluarea si asigurarea calitatii educatiei</i>, Editura Politehniun, Iasi 2008, ISBN 978-973-621-179-9 <b>(498/10x21=2,37)</b></p> <p><b>10.</b> Teodor Daniel Mindru, <b>Dumitru Nedelcu</b>, <i>Injectarea pieselor ranforsate din materiale plastice</i>, Editura ModTech, Iasi, 2014, <b>(228/10x2=11,4)</b></p> <p><b>11.</b> Octavian Lupescu, Ionut Ciprian Popa, Ramona Popa, <b>Dumitru Nedelcu</b>, <i>Metode, instrumente si strategii de mentenanta</i>, Editura ModTech, Iasi 2011, ISBN 978-606-92474-3-3 <b>(168/10x4=4,2)</b></p> <p style="text-align: right;"><b>TOTAL: 106,95p</b></p>
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		1.1.2 Carti ca editor	1.1.2.1 internationale	nr.pagini/(10* nr. editori)	<p><b>Total: 144,78</b></p> <p>1. Advances in Manufacturing Processes, Editori Harshit Dave, <b>Dumitru Nedelcu</b>, Springer Nature, 2020, <b>(821/10x10=8,21)</b></p> <p>2. Research and Innovation in Advanced Engineering Materials, Editors: Makio Naito, Andrzej Baier, Andrzej Buchacz, Pavel Topala, <b>Dumitru Nedelcu</b>, ISBN 978-606-93704-5-2, Editura ModTech, 2019, <b>(184/10x5=3,68)</b></p> <p>3. Editor Advanced Materials Research, vol. 1036, 2014, TTP-Elvetia <b>(1100/10x6=18,33)</b></p> <p>4. Editor Advanced Materials Research, vol. 837, 2013, TTP-Elvetia <b>(809/10x5=16,18)</b></p> <p>5. Proceedings of the 16th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, vol. I, Editura ModTech, Iasi, 2012 <b>(540/10x4=13,5)</b></p> <p>6. Proceedings of the 16th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, vol. II, Editura ModTech, Iasi, 2012 <b>(540/10x4=13,5)</b></p> <p>7. Proceedings of the 15th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, vol. I, Editura ModTech, Iasi, 2011 <b>(600/10x4=15)</b></p> <p>8. Proceedings of the 15th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, vol. II, Editura ModTech, Iasi, 2011 <b>(600/10x4=15)</b></p> <p>9. Proceedings of the 14th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, Editura Politehniun, Iasi, 2010 <b>(698/10x4=17,45)</b></p> <p>10. Proceedings of the 13th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, Editura Politehniun, Iasi, 2009 <b>(718/10x3=23,93)</b></p> <p style="text-align: right;"><b>TOTAL: 91,32p</b></p>
			1.1.2.2 nationale	nr.pagini/(20* nr. editori)	
	1.2 Alte materiale didactice	1.2.1 Suporturi de curss/indrumare Profesor: minimum		nr. pagini/(20*nr. autori)	<p><b>1. Nedelcu, D.,</b> <i>Processing and manufacturing of composite materials</i>, format electronic, curs susținut la SUT, Gliwice, Polonia, <b>(125/20x1=6,25)</b></p> <p><b>2. Nedelcu, D.,</b> <i>Design of injection moulding</i>, format electronic, indrumar proiect</p>

	inclusive in format electronic (pentru format electronic-echivalent format A4 text fara figure cu minimum 3200 caractere inclusiv spatii)	4, din care: -2 ca prim autor Conferentiar: Minimum 2, din care 1 prim autor			<p>suținut la SUT, Gliwice, Polonia, (25/20x1=1,25)</p> <p>3. Nedelcu, D., Cobzaru, P., <i>Tehnologii de mecanică fină</i>, Editura Junimea, Iași, 2005, ISBN 973-37-1026-1 (250/20x2=6,25)</p> <p>4. Nedelcu, D., <i>Tehnologii de mecanică fină</i>, Editura Tehnica-Info, Chișinău 2001, ISBN 9975-63-091-X (466/20x1=23,3)</p> <p>5. Nedelcu, D., Ciofu, C., <i>Tehnologii de mecanică fină</i>, Editura Politehniun, Iași, 2007, ISBN 978-973-621-169-0 (100/20x2=2,5)</p> <p>6. Nedelcu, D., <i>Tehnologii de mecanică fină</i>, Editura “Gheorghe Asachi”, Iași, 2002, ISBN 973-8292-56-5 (163/20x1=8,15)</p> <p>7. Nedelcu, D., <i>Tehnologii de mecanică fină</i>, Editura “Gheorghe Asachi”, Iași, 2002, ISBN 973-621-004-9 (220/20x1=11)</p> <p>8. Pruteanu, O.V., Axinte, E., Nedelcu, D., <i>Bazele tehnologiei construcțiilor de mașini</i>, Rotaprint Iași, 1999 (171/20x3=2,85)</p> <p><b>TOTAL: 61,55p</b></p>
	1.3 Coordonare de programe de studii, organizare si coordonare programe de formare continua	Director/ Responsabil/		15	<p>Master, Managementul Proiectelor, Departamentul de Programe, 2004-2008 (15)</p> <p><b>TOTAL: 15p</b></p>
	1.4 Dezvoltare de noi discipline (se puncteaza o singura data in cazul multiplicarii lor in programe de studii diferite)	Titular		10	<p>Management economic-financiar, Master TAF (10)</p> <p>Management economico-financiar si elaborarea bugetelor, Master MTP (10)</p> <p>Tehnologii de fabricare si prelucrare a materialelor compozite, Master TAF (10)</p> <p>Managementul proiectelor de fabricatie industriala, Master MTP (10)</p> <p>Tehnologii speciale de deformare plastica, Master MTP (10)</p> <p>Managementul proiectelor nationale, Master Managementul Proiectelor, Dep. Programe (10)</p> <p><b>TOTAL: 60p</b></p>
	1.5 Proiecte educationale (ERASMUS, Leonardo etc.)	Director/ Responsabil		10 * (ani desfasurare)	<p>Erasmus+KA107, Universitatea din Monterrey, Mexic (10x2=20)</p> <p>Erasmus+, RO_IASI05, Universitatea Politehnica Slaska, Gliwice, Polonia (10x6=60)</p> <p>Leonardo da Vinci, Contract no. RO/01/B/F/PP141119 (10x2=20)</p> <p><b>TOTAL: 100p</b></p>
	<b>Total A1</b>				<b>527,16</b>

2	Activitatea de cercetare (A2)	2.1 Articole indexate in reviste cotate ISI Thomson Reuters si in Volume unor manifestari stiintifice indexate ISI Thomson Reuters, vizibile in baza de date	<p><u>De la ultima promovare.</u>  Minim 8 articole, din care 3 in reviste, minimum 3 ca autor principal, pentru Profesor  Minimum 11 articole, din care 4 ca autor principal, pentru CS I  Pentru profesor si CSI incepand din 2018- minimum 1 articol in reviste din zona rosie sau galbena</p> <p>Minim 5 articole pentru Conferentiar / CS II din care 1 in revista</p>		Pentru reviste: (30 + 10 * fact. impact)/ (nr.de autori) Pentru volume conferinte -25/nr.de autori	<p style="text-align: center;"><b>Lucrari in jurnale cotate ISI</b>  <b>TOTAL: 454,67p</b></p> <p><b>1). Dumitru Nedelcu, Simona-Nicoleta Mazurchevici, Ramona Iuliana Popa, Nicoleta Monica Lohan, Demofilo Maldonado Cortes and Constantin Carausu (2020), <i>Tribological and dynamical mechanical behaviour of prototyped PLA-based polymers</i>, special issue Functional and Architected, Materials, 2020, 13, 3615; doi:10.3390/ma13163615, [(30+10x3,057)/6=10,09]</b></p> <p><b>2). Simona-Nicoleta Mazurchevici, Andrei-Danut Mazurchevici, Dumitru Nedelcu, <i>Dynamical mechanical and thermal analyses of biodegradable raw materials for additive manufacturing</i>, Materials, 13(8), 1819, doi:10.3390/ma13081819 [(30+10x3,057)/3=19,9]</b></p> <p><b>3). Esteban Broitman, Dumitru Nedelcu, Simona Nicoleta Mazurchevici, (2020), <i>Tribological and Nanomechanical Properties of a Lignin-based Biopolymer, e-Polymers</i>, 20, 1-14, https://doi.org/10.1515/epoly-2020-0055, [(30+10x1,517)/4=11,29]</b></p> <p><b>4). Simona-Nicoleta Mazurchevici, Bogdan Pricop, Bogdan Istrate, Andrei-Danut Mazurchevici, Vlad Carlescu, Constantin Carausu, Dumitru Nedelcu, (2020), <i>Technological Parameters Effects on Mechanical Properties of Biodegradable Materials Using FDM</i>, Materiale Plastice, 57(2), 215-227, DOI : https://doi.org/10.37358/MP.20.2.5368, [(30+10x1,517)/7=6,45]</b></p> <p><b>5). Andrei Mazurchevici, Dumitru Nedelcu, Ramona Popa, (2020), <i>Additive Manufacturing of Composite Materials by FDM Technology: A Review</i>, Indian Journal of Engineering &amp; Materials Sciences, 27(2), 179-192, [(30+10x0,521)/3=11,73]</b></p> <p><b>6). Dumitru Nedelcu, Simona Mazurchevici, Corneliu Munteanu, Alina Marguta, Bogdan Istrate, <i>Micro-structural and morphological analyses of coated "liquid wood" samples by ceramic particles</i>, Materials Research Express, Article Number: 085326, DOI: 10.1088/2053-1591/ab220b, [(30+10x1,929)/5=9,85]</b></p> <p><b>7). Esteban Broitman, Dumitru Nedelcu, Simona Mazurchevici, Hervè Glenat, Stefano Grillo, (2019), <i>Tribological and Nanomechanical Behaviour of Liquid Wood</i>, Journal of Tribology – Transactions of the ASME, 141(2), Paper No: TRIB-18-1012, doi: 10.1115/1.4041074, IF 1.648, [(30+10x1,648)/5=9,29]</b></p> <p><b>8). Simona Mazurchevici, Fabrizio Quadrini, Dumitru Nedelcu, (2018), <i>The Liquid Wood Heat Flow and Material Properties as a Function of Temperature</i>, Materials Research Express, doi: 10.1088/2053-1591/aab17c, 5(3), 1-7, IF 1.449, [(30+10x1,929)/3=16,43]</b></p> <p><b>9). Dumitru Nedelcu, Nicoleta Monica Lohan, Irina Volf, Radu Comaneci,</b></p>
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(2016), *Thermal behaviour and stability of the Arboform® LV3 Nature liquid wood*, Composites Part B: Engineering, 103, 84-89, [(30+10x7,635)/4=26,58]

**10). Dumitru Nedelcu**, Loredana Santo, Antonio Gabriel Santos, Plavanescu Simona, (2015), *Mechanical Behaviour Evaluation of Arboform Material Samples by Bending Deflection Test*, Materiale Plastice, 52(4), pp. 423-426, [(30+10x1,517)/4=11,29]

**11).** Radu Comăneci, Luchian Zaharia, **Dumitru Nedelcu** (2015), *Combining circular-to-rectangular direct extrusion and equal channel angular pressing: analysis and simulation*, IJEMS, Vol. 22, pp. 527-533, [(30+10x0,521)/3=11,73]

**12).** Viorel Paunoiu, Mamane Abdou Saadatou, **Dumitru Nedelcu**, Mircea Octavian, (2015), *Experimental and numerical investigations of sheet metal circular bending*, IJEMS, Vol. 22, pp. 487-496, [(30+10x0,521)/4=8,8]

**13).** **Dumitru Nedelcu**, Simona Plavanescu (Mazurchevici), Viorel Paunoiu (2015), *Study of Microstructure and Mechanical Properties of Injection Molded Arboform Parts*, IJEMS, Vol. 22, pp. 534-540, [(30+10x0,521)/3=11,73]

**14).** **Dumitru Nedelcu**, Radu Comaneci, (2014), *Microstructure, Mechanical Properties and Technology of Samples obtained by Injection from Arboblend*, Special Issue on *Evolution of Engineering, Technologies and Materials*, Indian Journal of Engineering & Materials Sciences, Vol. 21, June 2014, pp. 272-276, [(30+10x0,521)/2=17,6]

**15).** Teodor Daniel Mîndru, **Dumitru Nedelcu**, (corresponding author), (2014), *Study of microindentation and differential scanning calorimetry of reinforced polyamide*, Special Issue on *Evolution of Engineering, Technologies and Materials*, Indian Journal of Engineering & Materials Sciences, Vol. 21, June 2014, pp. 333-340, [(30+10x0,521)/2=17,6]

**16).** **Dumitru Nedelcu**, Ciprian Ciofu, Nicoleta Monica Lohan, (2013), *Microindentation and Differential Scanning Calorimetry of "Liquid Wood"*, Composites Part B: Engineering, doi: 10.1016/j.compositesb.2013.05.024 , vol. 55, pp. 11-15, [(30+10x7,635)/3=35,45]

**17).** **Dumitru Nedelcu**, (2013), *Investigation on microstructure and mechanical properties of samples obtained by injection from Arbofill*, Composites Part B: Engineering, Volume 47, April 2013, pp. 126-129, doi: 10.1016/j.compositesb.2012.11.023, [(30+10x7,635)/1=106,35]

**18).** **Dumitru Nedelcu**, Ioan Carcea, (2013), *Technology for Obtaining Samples of Layered Composite Material with Metallic Matrix*, Metals and Materials International, Vol. 19, No. 1, pp. 105-112, doi: 10.1007/s12540-013-1017-2, [(30+10x1,99)/2=24,95]

**19).** Ioan Carcea, **Dumitru Nedelcu** (corresponding author), (2012), *Technology*

for obtaining composite material with metallic matrix and Si-C particles, *Materials and Manufacturing Processes*, Vol. 27, Issue 6, ISSN 1042-6914, pp. 694-701, published by: Taylor & Francis, DOI: 10.1080/10426914.2011.602786, IF: 1,629, [(30+10x3,046)/2=30,23]

**20). Dumitru Nedelcu**, I. Carcea, L. Tabacaru, C. Ciofu, (2011), *Some aspects of processing and properties of composite material with Si-C particles*, *Acta Physica Polonica A*, 120 (2), ISSN 0587-4246, pp. 344-348, [(30+10x0,579)/4=8,94]

**21). Dumitru Nedelcu**, Daniel Mindru, Catalin Fetecau, Viorel Cohal, Gheorghe Cretu, (2010), *Some aspects regarding the simulation of two-component injection process*, *Materiale Plastice*, 47(2), ISSN 0025-5289, pp. 225-230, [(30+10x1,517)/5=9,03]

**22). Dumitru Nedelcu**, Fetecau Catalin, Ciofu Ciprian, Mindru Daniel, (2009), *Aspects regarding the use of FEM for calculus performing at the injection moulding of a high accuracy part*, *Materiale Plastice*, 46(3), pp. 269-273, ISSN 0025-5289, [(30+10x1,517)/4=11,29]

**23). Dumitru Nedelcu** (corresponding author), Romeo Chelariu, Lucian Tabacaru, (2009), *Some considerations about the analyzing of traction break surface of reinforcement composite material with Si-C particles*, *Metalurgia International*, 11, pp. 69-72, ISSN 1582-2214, [(30+10x0,14799)/3=10,49]

**24). Ion Postolache**, Catalin Fetecau, Felicia Stan, **Dumitru Nedelcu**, 2009, *Study of the polymer flow through tubular runner*, *Materiale Plastice*, 46(4), pp. 458-461, ISSN 0025-5289, [(30+10x1,517)/4=11,29]

**25). Dumitru Nedelcu** (corresponding author), Lucian Tabacaru, Petru Dusa, Ioan Carcea, Viorel Cohal, 2009, *Experimental researches regarding the samples from composite material with particles reinforcement*, *Metalurgia International*, 11, pp. 65-69, ISSN 1582-2214, [(30+10x0,14799)/5=6,29]

**Lucrari in ISI Proceedings**  
**TOTAL: 341,6p**

**1.** Justina Georgiana Motas, Fabrizio Quadrini, **Dumitru Nedelcu**, (2020), *Silver Nano-Coating of Liquid Wood for Nanocomposite Manufacturing*, Elsevier, *Procedia Manufacturing*, 47, 974-979, (25/3=8,33)

**2.** Motas J.G., **Nedelcu D.**, *Challenges with developing antimicrobial bio-materials by combining liquid wood and silver nanoparticles*, EHB 2019 Conference Proceeding, Article number 8970018, DOI: 10.1109/EHB47216.2019.8970018, (25/2=12,5)

**3.** I V Manoj, R Joy, S Narendranath and **D Nedelcu**, *Investigation of machining parameters on corner accuracies for slant type taper triangle shaped profiles*



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	2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale	<u>De la ultima promovare</u> Minim_8_ pentru profesor; Minim_5_ pentru conferentiar		15/nr.de autori	<p><b>1.</b> Andrei Danut Mazurchevici, Constantin Carausu, Ciprian Ciofu, Ramona Popa, Simona-Nicoleta Mazurchevici, <b>Dumitru Nedelcu</b>, (2019), <i>Infill and type influence on tensile strength of PLA biodegradable material using FDM technology</i>, Int. J. of Modern Manufacturing Technologies, XI(2), 44-49, <b>(15/6=2,5)</b></p> <p><b>2.</b> Ciprian Ciofu, Simona-Nicoleta Mazurchevici, Demofilo Maldonado-Cortes, Laura PenaParas, Daniel Ivan Quintanilla Correa, Dumitru Nedelcu, (2019), Tribological behavior of PLA biodegradable materials used in the automotive industry, Int. J. of Modern Manufacturing Technologies, Special Issue XI(3), 83-88, <b>(15/6=2,5)</b></p> <p><b>3.</b> Abhinaba Roy, Narendra Nath S, <b>Dumitru Nedelcu</b>, (2017), <i>Experimental investigation on variation of output responses of as cast TiNiCu shape memory alloys using EDM</i>, International Journal of Modern Manufacturing Technologies, IX(1), 90-101, <b>(15/3=5)</b></p> <p><b>4.</b> Dorin Vaideanu, Simona Plavanescu (Mazurchevici), Elena Puiu Costescu, <b>Dumitru Nedelcu</b>, Maricel Agop, (2015), <i>Fractal Logic Elements of Some Biodegradable Materials and Their Environmental Implications</i>, The Annals of "Dunărea de Jos" University of Galați, Fascicle IX, Metallurgy and Materials Science, Special Issue, pp. 13-18 <b>(15/5=3)</b></p> <p><b>5.</b> Simona Plavanescu, Fabrizio Quadrini, <b>Dumitru Nedelcu</b>, (2015), Tensile test for Arboform samples, Acta Universitatis Cibiniensis-Technical Series, 66(1), doi: 10.1515/aucts-2015-0044, pp. 147-152 <b>(15/3=5)</b></p> <p><b>6. Nedelcu, D.</b>, Lohan, N.M., Carausu, C., Pruteanu, O., (2014), <i>Some considerations concerning the differential scanning calorimetry of ultra tough plastic materials</i>, Applied Mechanics and Materials, 659, pp. 107-111 (Scopus etc.) <b>(15/4=3,75)</b></p> <p><b>7.</b> Ciofu, C.D., <b>Nedelcu, D.</b>, (2014), Finite element in designing of the gate location, shape and moulding injection path, Advanced Materials Research, 1036, pp. 417-421 (Scopus etc.) <b>(15/2=7,5)</b></p> <p><b>8.</b> Puiu, E., <b>Dumitru, N.</b>, Vrajitoriu, L., (2014), <i>Transport phenomena in "liquid wood" treated with a complex fluid using the scale relativity</i>, Advanced Materials Research, 1036, pp. 77-82 (Scopus etc.) <b>(15/3=5)</b></p>

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	2.3 Articole in extenso in Reviste/volumele unor manifestari stiintifice nationale/internationale neindexate	Se admit max. doua articole la aceeasi editie		6/ nr autori (Reviste) 4/nr autori (Proceedings)	<p><b>1. Dumitru Nedelcu</b>, Simona Plavanescu, Constantin Carausu, (2016), <i>The Influence of Technological Parameters on Tensile Strength of Liquid Wood Specimens Obtained by Injection Molding</i>, Proceedings of the ICMTE2016 International Conference, October 5-7, Seoul, Korea, pp. 18, <b>(4/3=1,33)</b></p> <p><b>2.</b> S. Plavanescu (Mazurchevici), <b>D. Nedelcu</b>, O. Pruteanu, <i>Scratch analyses of biodegradable materials</i>, Proceedings of the Ninth International Conference on Materials Technologies and Modeling (MMT2016), July 25-29, Ariel University, Israel, pp. 2.26-2.23 <b>(4/3=1,33)</b></p> <p><b>3.</b> C. Carausu, <b>D. Nedelcu</b>, G. Belgiu, <i>Analysis of Milling Machining Strategies that Conducts to an Optimal Solution</i>, Proceedings of the Ninth International Conference on Materials Technologies and Modeling (MMT2016), July 25-29, 2016, Ariel University, Israel, pp. 1.161-1.167 <b>(4/3=1,33)</b></p> <p><b>4.</b> Ciprian Ciofu, <b>Dumitru Nedelcu</b>, Irina Ciofu, Octavian Pruteanu, (2014), <i>Microindentation of Ultra Tough Plastic Materials</i>, Manuscript accepted, Proceedings of the 8th International Conference MMT2014, July 28-August 1, Edited by M. Zinigrad, Ariel University, Israel, pp. 2.11-2.16. <b>(4/4=1)</b></p> <p><b>5. Dumitru Nedelcu</b>, Ciprian Ciofu, Nicoleta Monica Lohan, Constantin Carausu, (2014), <i>Differential Scanning Calorimetry of Ultramid Plastic Materials</i>, Proceedings of teh 8th International Conference MMT2014, July 28-August 1,</p>



				<p>Edited by M. Zinigrad, Ariel, Israel, pp. 2.69-2.74 (4/4=1)</p> <p><b>6. Cristinel Badea, Dumitru Nedelcu (corresponding author)</b>, (2011), <i>The management of e-learning platform for higher education</i>, Proceedings of MSE International Conference 2011, Volume II, pp. 77-81, ISSN 1843-2522. (4/2=2)</p> <p><b>7. Teodor Daniel Mindru, Ciprian Dumitru Ciofu, Dumitru Nedelcu</b> (2010), <i>Some aspects regarding the simulation of injection process</i>, Proceedings of “2nd International Conference on Innovations, Recent Trends and Challenges in Mechatronics, Mechanical Engineering and New High-Tech Products Development” MecaHitech2010, Bucharest, Romania, pp. 212-217. (4/3=1,33)</p> <p><b>8. Dumitru Nedelcu</b>, Daniel Mindru, Lucian Tabacaru and Gheorghe Cretu, (2009), <i>Some aspects regarding the simulation of two component injection process</i>, Proceedings of PPE International Conference, 22-23 october 2009, Galati, Romania, pp. 269-275, ISSN 2066-9984. (4/4=1)</p> <p><b>9. D. Nedelcu</b>, P.Cobzaru, L.Tabacaru, C.Cararusu, (2008), <i>The experimentation research plan for obtaining the layers composite materials</i>, Proceedings ICMEN 2008 Chalkidiki-Greece, pp.357-362, ISBN 978-960-243-649-3. (4/4=1)</p> <p><b>10. Nedelcu Dumitru</b>, Tabacaru Lucian, Merticaru Vasile, (2008), <i>The preventive management of innovation-research projects for obtaining the composite material using the liquid foundry</i>, Conferinta Internationala Masini si Tehnosfera 2008, Donetsk-Ucraina, pp. 191-195, ISBN 966-7907-23-6. (4/3=1,33)</p> <p><b>11. Dumitru Nedelcu</b>, Al-Nakeeb Hassan, (1996), <i>The stress analysis of the exterior grooves using method of finit element</i>, TCMC – Iași, pp. 307-312, ISBN 9975-910-00-9. (4/2=2)</p> <p><b>12. Dumitru Nedelcu</b>, Ionel Sarbu, Octavian Pruteanu, (1994), <i>Machine for forming exterior grooves using cold plastic deformation</i>, ASRTP’94-Kosice-Zlata Idka-Slovak Republic, pp. 216-221. (4/3=1,33)</p> <p><b>13. Dumitru NEDELUCU</b>, D. Purtuc, <i>The measure forces at cold plastic deformation of exterior grooves from OL50 using an virtual measurement instrument</i>” Annals of DAAAM &amp; Proceedings of DAAAM Symposium , Vienna University of Technology, Vienna, Austria, 21-23th October 1999, pp. 371-372, ISBN 3-901509-10-0 (4/2=2)</p> <p><b>14. Dumitru Nedelcu</b>, O.V. Pruteanu, <i>Some considerations concerning experimental plan for forming exterior grooves</i>, Annals of DAAAM’98, 1998, Cluj-Napoca, Romania, pp. 339-340, Published by DAAAM International, Viena, ISBN 3-901509-08-9 (4/2=2)</p> <p><b>15. Dumitru Nedelcu</b>, A. Bejan, C. Badea, <i>Setax-gest electronic fare collection system in public passenger transportation</i>, TMCR Chișinău 2005, vol. 5a, Editura UTM, pp. 686-691, ISBN 9975-9975-8-3. (4/3=1,33)</p> <p><b>16. Popa Maricel, Dumitru Nedelcu, Sofronie A., Badea C.</b>, <i>The e-learning</i></p>
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					<p>acționare electromagnetică, Revista "Construcții de Mașini" - Nr.8-9, 1994, pp. 11-14. (6/2=3)</p> <p>71. M. Pruteanu, O.V. Pruteanu, <b>Dumitru Nedelcu</b>, <i>Cercetări teoretice și experimentale privind uzura discurilor abrazive</i> Revista "Construcții de Mașini" , 1994, nr.4-5, pp.15-21. (6/3=2)</p> <p>72. <b>Dumitru Nedelcu</b>, O.V. Pruteanu, <i>Unele considerații privind obținerea canelurilor exterioare prin deformare plastică la rece</i>, Revista "Construcții de Mașini", 1994, nr.8-9, pp. 48-50. (6/2=3)</p> <p>73. Ghenghea Laurențiu, <b>Dumitru Nedelcu</b>, <i>Calculule tehnologice pentru obținerea tuburilor cu pereți subțiri prin deformare plastică la rece</i>, Buletinul Științific al Universității din Cluj-Napoca, 1993, pp.249-252. (6/2=3)</p> <p>74. <b>Dumitru Nedelcu</b>, Petru Cobzaru, <i>Cateva aspecte privind planificarea experimentelor pentru obtinerea nanocompusilor intermetalici din interfata compozitelor aluminiu-fibre de carbon</i>, Conferinta Nationala Cercetare de Excelenta-Premiza favorabila pentru dezvoltarea spatiului romanesc de cercetare-Brasov octombrie 2006, Editura Printech, pp. L1-19, ISBN 973-718-552-8 (4/2=2)</p> <p>75. <b>Dumitru Nedelcu</b>, <i>Echipament virtual de măsurare a forțelor la formarea prin deformare plastică la rece a canelurilor triunghiulare</i>, a XXIX-a sesiune de comunicări științifice "Tehnologii moderne în secolul XXI", București 15-16 noiembrie 2001, pp. 141-146. (4/1=4)</p> <p>76. Felix Oanță, <b>Dumitru NEDELCU</b>, O.V. Pruteanu, <i>Bazele de date în proiectarea proceselor tehnologice de prelucrare</i>, Bacău 11-13 noiembrie 1993, volumul Studii și cercetări, pp. 101-105. (4/3=1,33)</p> <p>77. Felix Oanță, <b>Dumitru NEDELCU</b>, O.V. Pruteanu, <i>Considerații privind proiectarea asistată de calculator a ștanțelor și matrițelor</i>, Bacău 11-13 noiembrie 1993, volumul Studii și cercetări, 96-100. (4/3=1,33)</p> <p>78. Laurențiu Slătineanu, <b>Dumitru NEDELCU</b>, Pavel Budău, Iulian Warter, Traian Grămescu, <i>Modelarea prelucrării prin electroeroziune cu mișcare planetară a electrodului-sculă</i>, Galați 29-30 octombrie 1993. (4/3=1,33)</p> <p>79. <b>Dumitru NEDELCU</b>, Bana Ramona, <i>Echipament de injectare a maselor plastice</i>, Tehnologii moderne in secolul XXI, Academia Tehnica Militara Bucuresti, 6-7.11.2003 (4/3=1,33)</p> <p>80. M. Popa, <b>Dumitru NEDELCU</b>, C. Badea, <i>Some aspects concerning the on-line training</i>, Proceedings of the International Conference on Manufacturing Science and Education, Challenges of the European Integration, 6-7 noiembrie 2003, Sibiu-Romania. (4/3=1,33)</p> <p>81. <b>Dumitru NEDELCU</b>, A. Manuca, <i>Conception and design of an abrasive block shaping device used for the grinding of spherical surfaces</i>, Inter-Ing, 2003, Tg. Mures, 6-7 noiembrie 2003 (4/2=2)</p>
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					<p><b>82. Dumitru Nedelcu</b>, Ciprian Ciofu, Petru Cobzaru, <i>The aspects regarding technological parameters influences above precision and profile error of shafts groove obtained using cold plastic method</i>, Revista MachineBuilding and Electrical Engineering nr. 1-2/2007, Machinintelekt-Ltd publisher, pp. 80-83, 2007, ISSN 1313-0226. <b>(6/3=2)</b></p> <p><b>83. Dumitru Nedelcu</b>, Petru Cobzaru, Danut Burdia, <i>Investigation methods of long-range deformation forces for forming of different profile using cold plastic deformation</i>, Machinintelekt-Ltd publisher, revista MachineBuilding and Electrical Engineering nr. 5-6/2006, pp. 64-67, 2006, ISSN 0025-455X <b>(6/3=2)</b></p> <p><b>84. Dumitru Nedelcu</b>, Octavian Pruteanu, Florin Damian, <i>Experimental plan for thermic deformation study of lathe tool into fine mechanics area</i>, Revista Meridian Ingineresc, nr. 2, pp.74-76, 2002, Chişinău Republica Moldova, ISSN 1683-853X. <b>(6/3=2)</b></p> <p><b>85. Dumitru Nedelcu</b>, O. Lupescu, I. Balan, <i>Aspects concerning the technology to obtain the half finish product from metal powder</i>, Revista Meridian Ingineresc, nr. 3, pp. 98-101, 2002 Chişinău Republica Moldova, ISSN 1683-853X <b>(6/3=2)</b></p> <p><b>86. Dumitru Nedelcu &amp; Gh. Creţu</b>, <i>The technological parameters influence upon footer diameter of grooves</i>, Revista Meridian Ingineresc, nr. 3, pp.102-105, 2002 Chişinău Republica Moldova, ISSN 1683-853x <b>(6/3=2)</b></p> <p><b>87.</b> Octavian Lupescu, <b>Dumitru Nedelcu</b>, <i>The influence of the processing regime parameters on the roughness obtained at the steel polishing through rolling</i>, Revista Meridian Ingineresc, nr. 3, pp. 21-24, 2002 Chişinău Republica Moldova, ISSN 1683-853X <b>(6/3=2)</b></p> <p><b>88.</b> Gh. Cretu, B. Rusu, <b>Dumitru Nedelcu</b>, <i>Comparative study regarding the processing of metric and trapezoidal threads produced by OLC45 by turning, milling and whirling thread cutting</i>, Revista Meridian Ingineresc, nr. 3, pp.75-78, 2002 Chişinău Republica Moldova, ISSN 1683-853X <b>(6/3=2)</b></p> <p><b>89.</b> Mihailov E., Mihailov Al., Nagit Gh., Paraschiv Dr., Toca Al., <b>Nedelcu D.</b>, Serb A., <i>Some particularities on the deposition of vacuum ionic-plasma coatings on internal cylindrical surfaces</i>, Microcad 2008-Miscoltz-Ungaria, Internacional Scientific Conference 20-21 martie 2008, ISBN 978-963-661-812-4 0; ISBN 978-963-661-823-0, pag. 111-114. <b>(4/7=0,57)</b></p> <p style="text-align: right;"><b>TOTAL: 189,2p</b></p>
	2.4 Proprietate intelectuala, brevete de inventie si inovatie, etc.		2.4.1 internationale	40/nr.de autori	-
			2.4.2 nationale	20/nr.de autori	<p>1. <b>Nedelcu Dumitru</b>, Carcea I., Popa I, Roman C, Sava O., (2012), <i>Equipment for the manufacture of particle-reinforced composite materials, comprises a crucible provided with some heating resistors and a paddle for mixing molten material, crucible being carried by a support</i>, Brevet RO126020. <b>(20/5=4)</b></p> <p>2. <b>Nedelcu Dumitru</b>, Brevet RO 116923 B, (1997), <i>Machine tool high capacity</i></p>



					<p><i>pneumo hydraulic force amplifier has three successive acting pistons controlled by compressed air (20/1=20)</i></p> <p><b>3. Nedelcu Dumitru</b>, Brevet RO 117212 B, (1997), <i>Lathe facility controlling channeling consists of a traversing carriage integral with a holder of balls entering the channels, and a comparator (20/1=20)</i></p> <p><b>4. Nedelcu Dumitru</b>, Cobzaru Petru, Scurtu Ramona Popa, Chelariu Romeo, Brevet RO 126022, (2017), <i>Matrita pentru obtinerea prin forjarea lichida a mostrelor de material compozit cu matrice metalica, (20/4=5)</i></p> <p style="text-align: center;"><b>TOTAL: 49p</b></p>
	2.5 Granturi/proiecte castigate prin competitie sau contracte cu mediul socio-economic (in val de minimum 25000 lei)	2.5.1 Director/Responsabil - Minim <b>2D sau 4R****</b> pentru Profesor / CS I ; Minim <b>1D sau 2R****</b> pentru Conferentiar / CS II	2.5.1.1 internationale 2.5.2.2 nationale	20* val/ (10 mii €) 10* val/ (10 mii €)	<p><b>1. PN-III-P1-1.2-PCCDI2017-0446: Contract no. 82 PCCDI/2018, Development of the national research-development system, 2017, Smart forming of composite materials for automotive body parts.</b> Coordinator: Vasile Alecsandri University of Bacau, Romania Project title: <i>Smart manufacturing technologies for advanced production of parts in the automotive and aeronautics industries</i> Responsabil partener proiect complex, Universitatea Tehnică “Gheorghe Asachi” din Iasi, (10x226917EURO/10000= <b>226,92</b> - 1euro=4,6581/01.03.2018</p> <p><b>2. PNIII-1.2.PDI-PFC-C1-2018, "Dezvoltarea institutionala a TUIASI prin cresterea vizibilitatii si a performantei cercetarii"</b> (Institutional development of TUIASI by increasing the visibility and performance of research) (TUIASI-COMPETE), Coordinator with the students' activity, Project Manager, Prof.univ.dr.ing. Carmen Loghin Responsabil activități studenți doctoranzi, (10x880187EURO/10000/8= <b>110,02</b> - 1euro=4,6581/01.03.2018</p> <p><b>3. Proiect PN2/Four Program-Partenership</b> Contract Nr. 71-071/18.09.2007, Director proiect, Coordinating: “Gheorghe Asachi” Technical University of Iasi Project title: <i>Advanced Research on obtaining composite materials reinforced with particles and stratified reinforcement</i>, 10x532812,36 EURO/10000=<b>532,81</b> (Val. Proiect 1800000RON=532812,36 euro (1EURO=3,3783/18.09.2007)</p> <p><b>4. Proiect CEEX/CNI-ICAF/Relansin program</b> Contract Nr. 127-CEEX MI/27.07.2006, Director proiect, Coordinating: “Gheorghe Asachi” Technical University of Iasi Project title: <i>Advanced research on the interface intermetallic nanocompounds aluminum-carbon fiber composites</i> (10x421467,81 EURO/10000= <b>421,46</b> (Val. Proiect 1496000RON=421467,81 euro) (1EURO=3,5495lei)</p>

					<p><b>5. Project CEEEX-MII</b>  Contract Nr. 6150/26.09.2006, Director proiect, Coordinating: “Gheorghe Asachi”  Technical University of Iasi  Project title: <i>Management of research projects</i> (10x5083,59 (18000RON,  1euro=3,5408)/10000=<b>5,08</b>)</p> <p><b>6. Project CEEEX-MII</b>  Contract Nr. 6151/26.09.2006, Director proiect, Coordinating: “Gheorghe Asachi”  Technical University of Iasi  Project title: <i>ectului: Management of research projects</i> (10x5083,59 (18000RON,  1euro=3,5408)/10000=<b>5,08</b>)</p> <p><b>7. Project Relansin</b>  Contract Nr. 1733/2003, Director Proiect, Coordinating: Tehnoton SA Iași  Partener: “Gheorghe Asachi” Technical University of Iasi  Project title: <i>Automatic electronic toll system of taxation and centralization of  data management in public transport</i> (10x8766,14 (32234RON,  1euro=3,6771)/10000=<b>8,76</b>)</p> <p><b>8. Project Relansin</b>  Contract No. 1732/2003, Director proiect, Coordinating: Tehnoton SA Iași  Partener: “Gheorghe Asachi” Technical University of Iasi  Project title: <i>Fuel supply system with selective access to furniture and automatic  data collection status</i> (10x14569,9 (53575RON, 1euro=3,6771)/10000=<b>14,56</b>)</p> <p><b>9. Project Relansin</b>  Contract Nr. 1734/2003, Responsabil UTI, Coordinating: Tehnoton SA Iași  Partener: “Gheorghe Asachi” Technical University of Iasi  Project title: <i>System remote control and switch of transformer stations</i>  (10x8766,14 (32200RON, 1euro=3,6771)/10000=<b>8,74</b>)</p> <p><b>10. Project ANSTI</b>  Contract Nr. 6177/2000, Director proiect, Coordinating: “Gheorghe Asachi”  Technical University of Iasi  Project title: <i>Increasing the quality and lower cost manufacturing of grooved shaft  formed by cold forming using Taguchi method (1)</i></p> <p><b>11. IMPACT Program, POS-CCE/CDI</b>, Contract 339/2006, Service  provider: Intergroup Engineering  Regional research-innovation center, technology transfer and continuous  training in advanced processing technologies, (10x1500euro/10000=<b>1,5</b>)  <b>Director proiect:</b> Nedelcu Dumitru</p> <p style="text-align: right;"><b>TOTAL: 1335,93p</b>  <b>Internationale: 56p</b></p>

			2.5.2 Membru in echipa	2.5.2.1 internationale	4*nr.ani participare in proiect	<p><b>1. Proiect FP7 (4x3=12)</b> Contract No. 218940/11.06.2008 Title 5&amp;7 Energy&amp;Transport, Collaborative Project, Achieving Real Change with Innovative Transport Measures Demonstrating Energy Savings-ARCHIMEDES (Call Identifier FP7-SST-2007-TREN-1_28june), 2008-2012</p> <p><b>2. FP6, Contract no. 017991/2005</b> Injection Moulding of Titanium Powders for Biomedical Application (4x2=8)</p> <p><b>3. Tempus AC-JEP (4x3=12)</b> Contract No. 13468/1998 Project title: <i>Restructuring of the university continuing education centres at two Romanian universities</i></p> <p><b>4. Tempus AC-JEP (4x3=12)</b> Contract No. 13578/1998, Project title: <i>Network of leading centres on continuing education for industry</i></p> <p><b>5. Tempus S-JEP (4x3=12)</b> Contract No. 11230/1996, Project title: <i>Quality Assurance in Engineering Degree Programs</i></p> <p style="text-align: center;"><b>Nationale: 64p</b></p> <p><b>1. CNFIS-FDI-2019-0021</b>, The internationalization of students education at TUIASI Coordinator: “Gheorghe Asachi” Technical University of Iasi, (2x1=2)</p> <p><b>2. Contract Nr. 60PCCDI/2018, PN-III-P1-1.2-PCCDI-2017-0239, 2018-2020</b>, Obtaining and expertise of new biocompatible materials for medical applications, Component 1 Project “Biodegradable Mg-Based Alloys for Orthopedic Implants – ORTOMAG” (2x4=8)</p> <p><b>3. PN2-Program 4 parteneriate, Contract nr. 61-038/2007</b> Cercetări avansate privind tehnicile de eliminare a agenților microbiologici în procesele de purificare a apei utilizând radiații UV (2x3=6)</p> <p><b>4. Proiect CEEX-MI (2x3=6)</b> Contract No. 317/2006, Coordinating: University of Bacau Partener: “Gheorghe Asachi” Technical University of Iasi Project title: <i>Technology integrated manufacturing of parts made of thin metal plates</i></p> <p><b>5. Proiect CEEX-MI (2x3=6)</b> Contract No. 22/2005, Coordinating: “Dunarea de Jos” University of Galati Partener: “Gheorghe Asachi” Technical University of Iasi Project title: <i>Methods of simulation, modeling and virtual and digital production, information technology and communication it dedicated the new generation of</i></p>
				2.5.2.1 nationale	2*nr.ani participare in proiect	

					<p><i>reconfigurable manufacturing systems</i></p> <p><b>6. Proiect CEEX/NTPR/ Relansin Program (2x3=6)</b> Contract No. 20-CEEX MI/2005, Coordinating: "Gheorghe Asachi" Technical University of Iasi Project title: <i>New technology to increase productivity and quality bearings</i></p> <p><b>7. Grant ANSTI/2001-2002 (2x3=6)</b> Imbunătățirea proprietăților de exploatare a pieselor tratate mecanic prin procedee de deformare plastică la rece</p> <p><b>8. Grant CNFIS 2000, 716/09,10,2000, Code 59</b> Program independent de educație permanentă. Asigurarea calității și fiabilității construcțiilor sudate. Organizare de laborator <b>(2x3=6)</b></p> <p><b>9. Grant MEN, 34280/1999, Creșterea durabilității și calității arborilor canelați obținuți prin deformare plastică la rece (2x3=6)</b></p> <p><b>10. Grant CNFIS type C/1997 (2x3=6)</b> Project title: <i>Quality assurance and management. High school graduate</i></p> <p><b>11. Grant CNCSIS type D, contract 40/1997 (2x3=6)</b> Contract No. 40/1997, Project title: <i>Program Postgraduate and doctoral directions workability of materials, technologies and conventional surface finish</i></p>
	2.6 Coordonare/ dezvoltare laborator/ centru cercetare (daca este si didactic, punctajul se cuantifica o singura data)	Responsabil		40	Laboratorul de Mecanica Fina si Nanotehnologii
<b>TOTAL A2</b>					<b>TOTAL: 40p</b> <b>2642,65</b>

3	unoasterea si impactul activitatii (A3)	3.1 Vizibilitate in baze de date internationale	Numar de citari in publicatii (fara autocitari)	3.1.1 citari in articole indexate ISI	10/nr. autori articol citat	<p><b>TOTAL: 280,94</b></p> <p>1). Manoj, I.V, Joy, R, Narendranath, S, Nedelcu, D., Investigation of machining parameters on corner accuracies for slant type taper triangle shaped profiles using WEDM on Hastelloy X, IOP Conference Series: Materials Science and Engineering, Volume 591, Issue 1, 14 August 2019, Article number 012022, 2 citari (10/4=2,5x2=5)</p> <p>2). Mazurchevici, S., Quadrini, F., Nedelcu, D., The liquid wood heat flow and material properties as a function of temperature, Materials Research Express, 5(3),035303, 1 citare (10/3=3,33)</p> <p>3). Comaneci, R.I., Nedelcu, D., Bujoreanu, L.G., Influence of tools geometry and processing conditions on behavior of a difficult-to-work Al-Mg alloy during equal channel angular pressing, AIP Conference Proceedings, 1896(1), 200004, 2 citari (10/3=3,33x2=6,66)</p> <p>4). Plavanescu, S., Carausu, C., Comaneci, R., Nedelcu, D., The influence of technological parameters on the dynamic behavior of "liquid wood" samples obtained by injection molding, AIP Conference Proceedings, 1896,030038, 1 citare (10/4=2,5)</p> <p>5). Roy, A., Narendra Nath, S., Nedelcu, D., Experimental investigation on variation of output responses of as cast TiNiCu shape memory alloys using wire EDM, International Journal of Modern Manufacturing Technologies, 9(1), pp. 90-101, 4 citari (10/3=3,33x4=13,32)</p> <p>6). Nedelcu, D., Lohan, N.M., Volf, I., Comaneci, R., Thermal behaviour and stability of the Arboform® LV3 nature liquid wood, Composites Part B: Engineering, 103, pp. 84-89, 5 citari (10/4=2,5x5=12,5)</p> <p>7). Nedelcu, D., Santo, L., Santos, A.G., Mazurchevici, S.P., Mechanical behaviour evaluation of arboform material samples by bending deflection test, Materiale Plastice, 52(4), pp. 423-426, 3 citari (10/4=2,5x3=7,5)</p> <p>8). Comaneci, R., Zaharia, L., Nedelcu, D., Bujoreanu, L.G., Processing of cylindrical hollow parts: Piercing vs. extrusion, IOP Conference Series: Materials Science and Engineering, 95(1),012032, 1 citare (10/4=2,5)</p> <p>9). Fradinho, J., Nedelcu, D., Gabriel-Santos, A., Gonçalves-Coelho, A., Mourão, A., Some trends and proposals for the inclusion of sustainability in the design of manufacturing process, IOP Conference Series: Materials Science and Engineering, 95(1),012142, 1 citare (10/5=2)</p> <p>10). Nedelcu, D., Plavanescu Mazurchevici, S., Paunoiu, V., Study of microstructure and mechanical properties of injection molded arboform parts, Indian Journal of Engineering and Materials Sciences, 22(5), pp. 534-540, 2 citari (10/4=2,5x2=5)</p> <p>11). Comaneci, R., Zaharia, L., Nedelcu, D., Combining circular-to-rectangular direct extrusion and equal channel angular pressing: Analysis and simulation, Indian Journal of Engineering and Materials Sciences, 22(5), pp. 527-533, 1 citare (10/3=3,33)</p> <p>12). Constantin, C., Plavanescu, S., Dumitru, N., Impact comparative study of phone carcasses behavior by FEM, IOP Conference Series: Materials Science and Engineering, 87(1),012100, 1 citare (10/3=3,33)</p> <p>13). Nedelcu, D., Comaneci, R., Microstructure, mechanical properties and technology of samples obtained by injection from arboblend V2 nature, Indian Journal of Engineering and Materials Sciences, 21(3), pp. 272-276, 2 citari (10/2=5x2=10)</p>
29						

14). Nedelcu, D., Ciofu, C., Lohan, N.M., Microindentation and differential scanning calorimetry of "liquid wood", Composites Part B: Engineering, 55(1), pp. 11-15, 8 citari  
(10/3=3,33x8=26,64)

15). Nedelcu, D., Investigation on microstructure and mechanical properties of samples obtained by injection from Arbofill, Composites Part B: Engineering, 47, pp. 126-129, 5 citari  
(10/1=10x5=50)

16). Nedelcu, D., Carcea, I., Technology for obtaining samples of layered composite materials with metallic matrix, Metals and Materials International, 19(1), pp. 105-112, 2 citari  
(10/2=5x2=10)

17). Carcea, I., Nedelcu, D., Technology for obtaining composite material with metallic matrix and Si-C particles, Materials and Manufacturing Processes, 27(6), pp. 694-701, 7 citari  
(10/2=5x7=35)

18). Nedelcu, D., Carcea, I., Tabacaru, L., Ciofu, C., Some aspects of processing and properties of composite material with Si-C particles, Acta Physica Polonica A, 120(2), pp. 344-348, 2 citari  
(10/4=2,5x2=10)

19). Nedelcu, D., Mindru, D., Fetecau, C., Cohal, V., Cretu, G., Some aspects regarding the simulation of two-component injection process, Materiale Plastice 47(2), pp. 225-230, 2 citari  
(10/5=2x2=4)

20). Nedelcu, D., Fetecau, C., Ciofu, C., Mindru, D., Aspects regarding the use of FEM for calculus at the injection moulding of a high accuracy part, Materiale Plastice, 46(3), pp. 269-273, 14 citari  
(10/4=2,5x14=35)

21). Nedelcu, D., Chelariu, R., Tabacaru, L., Some considerations about the analyzing of traction break surface of reinforcement composite material with SI-C particles, Metalurgia International, 14(SPEC. ISSUE 11), pp. 69-72, 1 citare  
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22). Postolache, I., Fetecau, C., Stan, F., Nedelcu, D., Study of the polymer flow through tubular runner, Materiale Plastice, 46(4), pp. 458-461, 4 citari  
(10/4=2,5x4=10)

23). Nedelcu, D., Tabacaru, L., Dusa, P., Carcea, L., Cohal, V., Experimental researches regarding the samples from composite material with particles reinforcement, Metalurgia International, 14(SPEC. ISSUE 11), pp. 65-68, 2 citari  
(10/5=2x2=4)

24). B Cristinel, Z Remus, T Lucian, A Eugen, N Dumitru, ELIMINATION TECHNIQUES OF MICROBIOLOGICAL AGENTS IN WATER PURIFICATION PROCESSES WITH UV RADIATION., Journal of Applied Sciences in Environmental Sanitation 6 (1), 2 citari  
(10/5=2x2=4)

25). Broitman, E., Nedelcu, D., Mazurchevici, S., Glenat, H., Grillo, S., Tribological and Nanomechanical Behavior of Liquid Wood, Journal of Tribology –Transactions of the ASME, 141(2),022001, 1 citare  
(10/5=2)

26). PM Simona, C Constantin, C Radu, N Dumitru, The influence of technological parameters on the dynamic behavior of "liquid wood" samples obtained by injection molding, AIP Conference Proceedings 1896, 1 citare  
(10/4=2,5)

27). V Paunoiu, MA Saadatou, D Nedelcu, M Octavian, Experimental and numerical investigations of sheet metal circular bending, NISCAIR-CSIR, India, 1 citare  
(10/4=2,5)

28). P Cobzaru, D Nedelcu, The reinforcement destruction simulation of an Al-Zn carbon fibers composite, Solid State Phenomena 124, 1067-1070, 1 citare, (10/2=5)

				3.1.2 citari in articole indexate BDI	5/nr. autori articol citat	<p><b>TOTAL: 84,55</b></p> <p><b>1.</b> Nedelcu, D., Santo, L., Santos, A.G., Mazurchevici, S.P., (2016), Mechanical behaviour evaluation of arboform material samples by bending deflection test, <i>Materiale Plastice</i>, 52(4), pp. 423-426 <b>(1,25p)</b></p> <p><b>1 citare</b></p> <p><b>2.</b> Comaneci, R., Zaharia, L., Nedelcu, D., (2015), Combining circular-to-rectangular direct extrusion and equal channel angular pressing: Analysis and simulation, <i>Indian Journal of Engineering and Materials Sciences</i> 22(5), pp. 527-533 <b>(3,33p)</b></p> <p><b>1 citare</b></p> <p><b>3.</b> Nedelcu, D., Plavanescu Mazurchevici, S., Paunoiu, V. (2015), Study of microstructure and mechanical properties of injection molded arboform parts, <i>Indian Journal of Engineering and Materials Sciences</i>, 22(5), pp. 534-540 <b>(3,33p)</b></p> <p><b>1 citare</b></p> <p><b>4.</b> Nedelcu, D., Comaneci, R., (2014), <i>Microstructure, mechanical properties and technology of samples obtained by injection from arboblend V2 nature</i>, <i>Indian Journal of Engineering and Materials Sciences</i>, 21 (3), pp. 272-276</p> <p><b>2 Citari (5p)</b></p> <p><b>5.</b> Nedelcu, D., Plavanescu, S., Puiu, E, <i>Impact resistance of "liquid wood"</i>, 2014, <i>Advanced Materials Research</i>, 1036, pp. 13-17</p> <p><b>1 Citare (1,66)</b></p> <p><b>6.</b> Nedelcu, D., Ciofu, C., Lohan, N.M., 2013, Microindentation and differential scanning calorimetry of "liquid wood", <i>Composites Part B: Engineering</i>, 55(1), pp. 11-15</p> <p><b>2 citari (3,33)</b></p> <p><b>7. Nedelcu, D., (2013)</b>, Investigation on microstructure and mechanical properties of samples obtained by injection from Arbofill, <i>Composites Part B: Engineering</i>, 47, pp. 126-129</p> <p><b>3 citari (15p)</b></p> <p><b>8,</b> Nedelcu, D., Carcea, I., (2013), Technology for obtaining samples of layered composite materials with metallic matrix, <i>Metals and Materials International</i>, 19(1), pp. 105-112</p> <p><b>1 citare (2,5p)</b></p> <p><b>9. Study of the polymer flow through tubular runner (3,75p)</b></p> <p>Postolache I., Fetecau C., Stan F., Nedelcu D. (2009) <i>Materiale Plastice</i>, 46 (4) , pp. 458-461.</p> <p><b>3 Citari</b></p> <p>10. Some aspects concerning the physical models obtained using high performance composite material</p> <p>By: Nedelcu, Dumitru; Stohr, Thomas; Ciofu, Ciprian; et al.</p>
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					<p>Conference: 13th International Conference on Modern Technologies, Quality and Innovation (ModTech 2009) Location: Iasi, ROMANIA Date: MAY 21-23, 2009 Book Series: Proceedings of the International Conference ModTech Pages: 455-458 Published: 2009 1 citare (1,25)</p> <p>11. Some Aspects of Processing and Properties of Composite Material with Si-C Particles By: Nedelcu, D.; Carcea, I.; Tabacaru, L.; et al. Conference: 12th Annual YUCOMAT Conference Location: Herceg Novi, SERBIA Date: SEP 06-10, 2010 ACTA PHYSICA POLONICA A Volume: 120 Issue: 2 Pages: 344-348 Published: AUG 2011 <b>3 Citari (3,75p)</b></p> <p>12. <i>Aspects Regarding the Use of FEM for Calculus at the Injection Moulding of a High Accuracy Part (6,25p)</i> By: Nedelcu, Dumitru; Fetecau, Catalin; Ciofu, Ciprian; et al. MATERIALE PLASTICE Volume: 46 Issue: 3 Pages: 269-273 Published: SEP 2009 <b>5 Citari</b></p> <p>13. <i>Aspecte ale formarii canelurilor exterioare prin deformare plastica la rece utilizand metoda Taguchi (12,5)</i> D Nedelcu, O Pruteanu <b>5 Citari</b></p> <p>14. <i>Overview of composite material technology with Si-C particles, reinforcement (6,25p)</i> D Nedelcu, R Comaneci, R Chelariu, L Tabacaru, Int. J. Modern Manuf. Tech. 1 <b>5 Citari</b></p> <p>15. <i>Some experimental aspects concerning the stratified composite materials with metallic matrix (1,25)</i> D Nedelcu, O Milosevic, R Chelariu, C Roman, Int. J. of Modern Manufacturing Technologies, II (2), 65-71 <b>1 citare</b></p> <p>16. ELIMINATION TECHNIQUES OF MICROBIOLOGICAL AGENTS IN WATER PURIFICATION PROCESSES WITH UV RADIATION. B Cristinel, Z Remus, T Lucian, A Eugen, N Dumitru Journal of Applied Sciences in Environmental Sanitation 6 (1) <b>5 citari (5p)</b></p> <p>17. Tehnologii de obținere a materialelor compozite D Nedelcu, I Carcea, GD Neagu Politehniun</p>
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					<p><b>3 citari (4,99p)</b>  18. The Influence of Technological Parameters on Tensile Strength of Liquid Wood Specimens Obtained by Injection Molding  D Nedelcu, S Plavanescu, C Carausu  Proceedings of ICMTE2016, Seoul, Korea, 18-18</p> <p><b>1 citare (1,66p)</b>  19. Managementul proiectelor: aspecte teoretice și practice  D Nedelcu, OV Pruteanu, Politehniun</p> <p><b>1 citare (2,5p)</b></p>	
				3.1.3. citari in alte publicatii	3/nr. Autori articol citat	
		3.2 Prezentari invitate in plenul unor manifestari stiintifice nationale si internationale și Profesor invitat (exclusiv ERASMUS)		3.2.1 in strainatate	20	<p><b>Prezentari plen: 240</b>  1). RAM2020, 3-5 Iulie, 2020, ediție online, Surat, Gurahat, India  2). ICMTE2020, Octombrie 6-8, amânata din 1-3 aprilie motivul Covbid-19, Korea de Sud  3). ICAME2E, October 21-23, 2019, online (zbor Tarom anulat), Langkawi, Malaysia  4). ICCCI2018, July 9-12, Kurashiki, Japonia  5). MMT2016, July 25-29, Ariel, Israel  6). ICMTE2016, October 5-7, Seoul, Korea de Sud, Panelul international <b><i>Future Manufacturing Technology Innovation Toward the 4th Industrial Revolution</i></b>  7). ICCCI2015, July 7-10, 2015, Kurashiki, Japonia  8). PCM2014, May 27-29, Ningbo, China  9). Machine-Building and Technosphere of the XXI Century, September 16-21, 2013, Sevastopol, Ucraina  10). Selected Engineering Problems International Seminar, Politehnika Slaska, October 25-26, 2012, Gliwice-Polonia  11). ICCCI 2012 International Conference, 2-5 September, Kurashiki-Japonia  12). Selected Engineering Problems International Seminar, Politehnika Slaska, April 27-28, 2011, Gliwice-Polonia</p> <p><b>Profesor invitat: 200</b>  1). Silesian University of Technology, Mechanical Engineering Faculty, Gliwice, Poland, 2019-2020  2). Silesian University of Technology, Mechanical Engineering Faculty, Gliwice, Poland, 2018-2019  3). Silesian University of Technology, Mechanical Engineering Faculty,</p>

						<p>Gliwice, Poland, 2017-2018</p> <p>4). Universitatea Alecu Russo din Balti, Republica Moldova, 2017</p> <p>5). Grenoble Institute of Technology, France, 2016</p> <p>6). University of Osaka, Japan, 2015</p> <p>7). Universitatea Alecu Russo din Balti, Republica Moldova, 2015</p> <p>8). Universitatea din Michigan, Ann Arbor, USA, 2014</p> <p>9). TAT, Engineering Institute, Tokyo, Japan, 2012</p> <p>10). European Project FSD-76/RMT-0/2010, 23-25.10.2012, Silesian University of Technology, Gliwice, Poland</p> <p style="text-align: center;"><b>TOTAL: 440p</b></p>
				3.2.2 in tara	10	<p>1). POLCOM2020, November 26-28, ediție online, 2020, Bucharest, Romania</p> <p>2). NewTech2020, Septembrie 9-11, ediție online, Galați, Romania</p> <p>3). POLCOM2018, Noiembrie 1-2, Universitatea Politehnica din București</p> <p>4). MSE2015, June 3-6, Sibiu, Romania</p> <p>5). SATEE2014, 16-18 October, Alba Iulia, Romania</p> <p>6). OPROTEH2013 International Conference, 23-25 May, 2013, Bacău-Romania</p> <p style="text-align: center;"><b>TOTAL: 60p</b></p>
		3.3 (a) Membru in colectivele de redactie sau comitete stiintifice ale revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice / Recenzent pentru reviste si manifestari stiintifice nationale si internationale indexate ISI	Punctajul se ia in calcul o singura data pentru o revista sau o manifestare stiintifica	3.3.1 indexate ISI	10	<p><b>Membru la reviste ISI (30p):</b></p> <p>1). Topic editor, Materials, jurnal ISI Zona Q1, factor de impact 3,057, Basel, Elveția</p> <p>2). Guest Editor, International Journal of Materials &amp; Product Technology (IJMPT), SI-2015: ISSN 0268-1900</p> <p>3). Editor, Indian Journal of Engineering &amp; Materials Sciences, ISSN 0971-4588</p> <p><b>Membru comitete stiintifice la conferinte ISI (60p):</b></p> <p>1. ModTech, Romania, 2. PCM, China, 3. AMPT, Madrid-Spain; 4. MSE, Romania; 5. ModTech-New Face of TMCR, Romania; 6. ACME, Romania.</p> <p><b>Organizator de conferinte ISI (20p):</b></p> <p>1. ModTech-New face of TMCR, Romania; 2. ModTech, Romania;</p> <p><b>Recenzent jurnale ISI (100p):</b></p> <p>1. Metals; 2. Materials; 3. Advances in Polymer Technology; 4. Indian Journal of Engineering and Materials Science; 5. Material Science &amp; Engineering B; 6. International Journal of Machining and Machinability of Materials; 7. International Journal of Materials and Product Technology; 8. Composite Part B Engineering; 9. International Journal of Manufacturing Technology and Management; 10. Journal of Materials Processing Technology</p> <p><b>Recenzent conferinte ISI (30p):</b></p>

					1. ModTech-New face of TMCR, Iasi, Romania; 2. PCM, China; ModTech, Romania; 3. ACME-Romania; <b>TOTAL: 240p</b>
			3.3.2 BDI	8	<p><b>Membru la reviste BDI (72p):</b></p> <ol style="list-style-type: none"> <li>1. Editor sef, International Journal of Modern Manufacturing Technologies</li> <li>2. Journal of Applied Sciences in Environmental Sanitation, Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia, www.trisanita.org</li> <li>3. Journal of Applied Technologies in Environmental Sanitation, Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia, www.trisanita.org</li> <li>4. Journal Wybrane problem inzynierskie, Gliwice-Polonia</li> <li>5. Editor sef, Advanced Engineering Forum, Trans Tech Publications Inc., Switzerland</li> <li>6. 1. Editor, Fizica si tehnica: procese, modele, experimente, Universitatea de Stat Alecu Russo din Balti, Republica Moldova</li> <li>7. Editor, Journal of Mechanics Engineering and Automation (JMEA), ISSN: 2159-5275, USA</li> <li>8. Editor, Journal of Military Technology, Romania</li> <li>9. Co-Editor, Annals of Constanta Maritime University, Romania</li> </ol> <p><b>Membru comitete stiintifice la conferinte BDI (120p):</b></p> <ol style="list-style-type: none"> <li>1. RAM2020; 2. ACME, Romania; 3. Machine-Building and Technosphere of the XXI Century, Sevastopol-Ukraine2013; 4. ModTech-New Face of TMCR, Romania; 5. NewTech, Brno; 6. Satee, Alba Iulia; 7. Tehnomus, Romania; 8. MecaHitech, Romania; 9. Selected Engineering Problems, Gliwice- Poland; 10. ICCCI, Japan; 11. POLCOM, Bucharest-Romania; 12. ACAIII2014, Belgrad; 13. PPE, Galati-Romania; 14. Light2015, Balti-Republic of Moldova; 15. Oproteh, Bacau;</li> </ol> <p><b>Organizator de conferinte BDI (16p):</b></p> <ol style="list-style-type: none"> <li>1. ModTech2014, Gliwice, Polonia</li> <li>2. Conferinta Scolii doctorale TUIASI</li> </ol> <p><b>Recenzent Journale BDI (48p):</b></p> <ol style="list-style-type: none"> <li>1. Academic Journal of Manufacturing Engineering; 2. Selected Engineering Problems; 3. International Journal of Modern Manufacturing Technologies; 4. Journal of Applied Sciences in Environmental Sanitation; 5. JERA, TTP-Elvetia; 6. AEF, TTP-Elvetia</li> </ol> <p><b>Recenzent conferinte BDI (56p):</b></p> <ol style="list-style-type: none"> <li>1. ModTech; 2. MSE2011; 3. Oproteh; 4. ACME2014; 5. ICAMAT2014; 6. POLCOM2014; 7. PPE2015;</li> </ol> <p><b>Referent la 8 carti (64p).</b></p> <p><b>TOTAL: 376p</b></p>

			3.3.3 nationale si internationale neindexate	5	-
		3.4 Experienta de management, analiza si evaluare in cercetare si/sau invatamant	3.4.1 Conducere	5*ani desfasurare	-
			3.4.2 Membru	2*ani desfasurare	<ol style="list-style-type: none"> <li>1. CNATDCU, Comisia de Inginerie Industriala si Management, 2011-2012 (2x2=4)</li> <li>2. CNATDCU, Comisia de Inginerie Industriala si Management, contestatii, 2016-2020 (2x4=8)</li> <li>3. Membru al panelului național de experți pentru evaluarea proiectelor naționale, 2010 (2x1=2)</li> <li>4. CNATDCU, Comisia de Inginerie si Managementul productiei, 2020-2024 (2x1=2)</li> </ol> <p style="text-align: center;"><b>TOTAL: 16p</b></p>
		3.5 Premii	3.5.1 Academia Romana	30	-
			3.5.2 ASAS, AOSR, academii de ramura și CNCSIS	15	<ol style="list-style-type: none"> <li>1). Esteban Broitman, Dumitru Nedelcu, Simona Mazurchevici, Hervè Glenat, Stefano Grillo, (2019), <i>Tribological and Nanomechanical Behaviour of Liquid Wood</i>, Journal of Tribology – Transactions of the ASME, 141(2), Paper No: TRIB-18-1012, doi: 10.1115/1.4041074, IF 1.648 Paper awarded by UEFISCDI, PN-III-P1-1.1- PRECISI-2019-37180</li> <li>2). Nedelcu Dumitru, Cobzaru Petru, Scurtu Ramona, Chelariu Romeo, <i>Die for producing samples made of metal matrix composite material by liquid forging</i>, Patent awarded by UEFISCDI, PN-III-P1-1.1-PREC-BVT-2017-0537</li> <li>3). Dumitru Nedelcu, Nicoleta Monica Lohan, Irina Volf, Radu Comaneci, (2016), <i>Thermal behaviour and stability of the Arboform® LV3 Nature liquid wood</i>, Composites Part B: Engineering, 103, pp. 84-89, Paper awarded by UEFISCDI, PN-III-P1-1.1- PRECISI-2016- 12811</li> <li>4). Dumitru Nedelcu, <i>Investigation on microstructure and mechanical properties of samples obtained by injection from Arbofill</i>, Paper awarded by CNCSIS, PN-II-RU-PRECISI-2013-7-1862</li> <li>5). Dumitru Nedelcu, Ioan Carcea, <i>Technology for obtaining samples of layered composite materials with metallic matrix</i>, Paper awarded by CNCSIS, PN-II-RU-PRECISI-2013-7-1947</li> <li>6). Dumitru Nedelcu, Ciprian Ciofu, Monica Lohan, <i>Microindentation and differential scanning calorimetry of liquid wood</i>, Paper awarded by CNCSIS, PN-II-RU-2013-7-3235</li> <li>7). Nedelcu Dumitru, et al., <i>Aspects regarding the use of FEM for calculus performing at the injection moulding of a high accuracy part</i>, Paper awarded by</li> </ol>

					CNCSIS, CNCSIS-2009 8). Ion Postolache, Catalin Fetecau, Felicia Stan, Dumitru Nedelcu, <i>Study of the polymer flow through tubular runner</i> , Paper awarded by CNCSIS, CNCSIS-2009 <b>TOTAL: 120p</b>
			3.5.3 premii internationale	10	1. Premiul I, Nedelcu D., <i>Microindentation and differential scanning calorimetry of liquid wood reinforced with aramid fibers</i> , Machine-Building and Technosphere of the XXI Century International Conference, Sevastopol, Ukraine, September 2013; 2. Medalie argint, D. Nedelcu, et al., <i>Die for producing samples made of metal matrix composite material by liquid forging</i> , Euro-Invent, September 22-24 2011, Sevastopol-Ucraina; 3. Medalie aur, D. Nedelcu, et al., <i>Equipment for the manufacture of particle-reinforced composite materials, comprises a crucible provided with some heating resistors and a paddle for mixing molten material, crucible being carried by a support</i> , Euro-Invent, September 22-24, 2011, Sevastopol-Ucraina; 4. Medalie aur, D. Nedelcu, et al., <i>Equipment for the manufacture of particle-reinforced composite materials, comprises a crucible provided with some heating resistors and a paddle for mixing molten material, crucible being carried by a support</i> , September 22-24, 2011, Sevastopol-Ucraina; 5. Medalie argint, D. Nedelcu, et al., <i>Die for producing samples made of metal matrix composite material by liquid forging</i> , September 22-24, 2011, Sevastopol-Ucraina; 6. Premiul III, M. Popa, D. Nedelcu, A. Sofronie, C. Badea, <i>The E-learning platform ICT-net</i> , Machine-Building and Technosphere of the XXI Century, Sevastopol, Ukraine, September 2003; <b>TOTAL: 60p</b>
			3.5.4 premii nationale in domeniu	5	1). Medalie argint, Dumitru Nedelcu et al., <i>Equipment to obtain composite materials reinforced with particles</i> , UGAL INVENT, October 8-10, 2014, Galati, Romania 2).Diploma de excelenta, Dumitru Nedelcu, <i>Advanced Researches Concerning the Composite Materials Obtaining</i> , International Invent Salon PRO INVENT, VI Edition, April, 1-4 2008, Expo Transilvania, Cluj Napoca, Romania; 3). Diploma de excelenta-Medalie de aur, <i>Iasi 600</i> , Nedelcu D., et al., <i>Advanced Researches Upon Intermetallic Nanocompounds Composite Materials Aluminum-Carbon Fibers</i> , Jubilee International Salon of Research, Inventions and Technology Transfer, Inventica 2008, 14-24 May, Iasi, Romania; 4). Medalie de aur, Dumitru Nedelcu, <i>Grooves control device</i> , National Invent Salon EcoInvent, Iasi 2003, Romania.

						<b>TOTAL: 20p</b>
	3.6 Membru in academie, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenență la organizatii din domeniul educatiei si cercetarii	3.6.1 Academia Romana		100	-	
		3.6.2 ASAS, AOSR si academie de ramura		20	Membru asociat al AOSR din aprilie 2019	
		3.6.3 Conducere asociatii profesionale	3.6.3.1 internationale	30	Presedinte, Asociatia Profesionala in Tehnologii Moderne de Fabricatie, ModTech, Iasi	
			3.6.3.2 nationale	10	-	<b>TOTAL: 30p</b>
		3.6.4 Asociatii profesionale	3.6.4.1 internationale	5	1. Consiliul de onoare al Europei, comisia de cercetare 2. European Scientific Association for Material Forming (ESAFORM), Netherlands; 3. American Association for Science and Technology (AASCIT); 4. Serbian Ceramic Society – Composite Materials Section; 5. International Union of Machine Building-Ukraine.	<b>TOTAL: 25p</b>
			3.6.4.2 nationale	3	1. AGIR, Romania 2. Romanian Association of Science Mechanisms and Machines, IFToMM (International Federation for the Promotion of Mechanism and Machine Science) Member; 3. AUIF Romania; 4. Project Management Romania.	<b>TOTAL: 12p</b>
		3.6.5 Organizatii în domeniul educației și cercetării	3.6.5.1 Conducere	10	-	
			3.6.5.2 Membru	5	-	
			<b>TOTAL A3</b>			

14.09.2020

Prof.univ.dr.ing.ec. Dumitru Nedelcu

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