



Domnule/ Doamnă Decan/ Director de Departament

Subsemnatul Nedelcu Dumitru, cadru didactic al Universității Tehnice „Gheorghe Asachi” din Iași cu funcția actuală de profesor, în cadrul Facultății de Construcții de Mașini și Management Industrial, Departamentul de Tehnologia Construcțiilor de Mașini, solicit, prin prezenta, înscrierea la concursul pentru acordarea gradației de merit pentru perioada 1.10.2025 - 1.10.2030, conform Procedurii privind acordarea gradațiilor de merit pentru personalul didactic titular din cadrul Universității Tehnice „Gheorghe Asachi” din Iași, PO.DID.11

Data,

17.10.2025

Semnătura,

1

RAPORT DE AUTOEVALUARE A ACTIVITĂȚII PENTRU ANII 2020 – 2025.

Numele și prenumele: Nedelcu Dumitru
 Funcția didactică: profesor
 Facultatea/ Departamentul: Construcții de Mașini și Management Industrial / Tehnologia Construcțiilor de Mașini

Criteriul de evaluare	Rezultate obținute
Criteriul 1. Activitate didactică / Elaborare de materiale didactice La acest criteriu au fost trecute suporturile de curs, îndrumările de laborator, proiect publicate la edituri CNCS. De asemenea, au fost trecute suporturile de cursuri, laboratoare și proiecte în format electronic.	59,26
Criteriul 2. Activitatea de cercetare științifică La subcriteriul 1.1 s-au obținut 18,36 puncte, iar la subcriteriul 2.1 s-au obținut 231,97 puncte. În cazul articolelor din reviste WoS (3.1) cu factor de impact punctajul obținut a fost de 399,54 puncte, articole în reviste BDI (3.3) – 72,07 puncte, subcriteriul 4.1 – 19,57 puncte, subcriteriul 5.1 – 200 puncte, editor la volume ale unor conferințe (6) – 75,35 puncte, un brevet OSIM (8.1)-2,5 puncte, proiecte de cercetare ca director (11.1) – 50,85 puncte, ca membru (11.2) – 19,89 puncte, iar la proiecte depuse (13)-111,41 puncte. La conducerea de doctorat, la teze de doctorat coordonate (16.2) s-a obținut 30 de puncte, iar la membru în comisii (17)-111 puncte. Acoduri de colaborare (18)-21 puncte, membru comisii de abilitare-6 puncte, membru în comisii de doctorat străinătate și țară-86 puncte.	1485,51
Criteriul 3. Recunoaștere națională și internațională La criteriul III-subcriteriul 1.1. am obținut 80 de puncte, iar la membru în comitete științifice (2.1+2.2)-52 de puncte, editor la jurnale WoS și BDI-90 de puncte, editor invitat (3.7)-60 de puncte, referent științific la reviste WoS-75 de puncte, membru în academii-40 de puncte, activități în asociații profesionale (8.1.+8.2)-45 de puncte, iar la coordonări și mobilități Erasmus-27 de puncte. Indicele Hirsh confirm relației de calcul a adus un punctaj de 512 puncte, iar dr.h.c-20 de puncte.	1026
Criteriul 4. Activitatea cu studenții Criteriul IV a însumat 10 puncte la activități cu studenții incoming	10
Criteriul 5. Activitatea în comunitatea academică Prin tot ce am desfășurat în comunitatea academică am obținut 470 de puncte la acest criteriu.	470
Punctajul acordat de către Directorul de departament	50
TOTAL	3100,77

Data: 17.10.2025

Semnătura

GRILA DE EVALUARE A PERFORMANȚELOR PENTRU CONCURSUL DE ACORDARE A GRADAȚIEI DE MERIT – Personal didactic titular

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

Nr. crt.	Criteriul de evaluare/indicatori de performanță	Punctaj	Observații	Perioada de evaluare	Indicatori candidat	Punctaj obținut
I	Elaborare de materiale didactice					
	1. Predare discipline noi în planul de învățământ, inexistente anterior perioadei de evaluare.	20 – curs 10 – aplicații	aplicații = seminar, laborator, proiect	5 ani	-	
	2. Materiale didactice proprii.					
	2.1. Suporturi de curs cu ISBN, publicate la edituri CNCS	30 x (np / 100) / na		5 ani	1). Simona-Nicoleta Mazurchevici, Dumitru Nedelcu , (2021), <i>Teoria Proceselor de Sudare</i> , Editura PIM Iasi, ISBN 978-606-13-6469-5, [30x(277/100/2=41,55)]	41,55
	2.2. Suporturi de curs cu ISBN, publicate la alte edituri	10 x (np / 100) / na		5 ani	-	
	2.3. Îndrumare laborator, proiect, seminar, culegere de probleme cu ISBN, publicate la edituri CNCS	7 x (np/100)/ na		5 ani	1). Simona-Nicoleta Mazurchevici, Dumitru Nedelcu , (2021), <i>Aplicații ale Teoriei Proceselor de Sudare</i> , Editura PIM Iasi. ISBN 978-606-13-6476-3 [7x(245/100/2=8,57)] 2). Slatineanu, L., Bohosievici, C., Grămesu, T., Paraschiv, D., Muscă G., Dodun O., Năgiț Gh., Nedelcu D. , Sover A., Tăbăcaru L., Cărașu C., Crețu Gh., Merticaru V., Coteață M., Boca M., Mihalache A., Rîpanu M., Mazurchevici S-N., Mîndru D., Boca M., Hrițuc A., Motaș O., (2021), <i>Aplicații în ingineria fabricației</i> , Editura PIM, Iasi, ISBN 978-606-13-6104-5, [7x(417/100/22=1,32)]	9,89
	2.4. Îndrumare laborator, proiect, seminar, culegere de probleme cu ISBN, publicate la alte edituri	4 x (np/100)/ na		5 ani	-	

	2.5. Elaborare suporturi de cursuri, laboratoare, proiecte în format electronic	3 x (np / 100) / na		5 ani	1). Nedelcu, D., <i>Indrumar de proiectare a matrițelor de injectare</i> , format electronic, indrumar proiect, [3x(25/100/1)=0,75] 2). Nedelcu D., <i>Managementul proiectelor de fabricație industrială</i> , îndrumar de proiect, [3x(77/100/1)=2,31] 3). Nedelcu D., <i>Tehnologii de mecanică fină</i> , capitole de curs, [3x(92/100/1)=2,76]	7,82
	3. Dotări cu aparatură, echipamente, materiale, material curricular auxiliar, din venituri extrabugetare/sponsorizari, în scop didactic, înregistrate în inventarul Facultății/Departamentului.	10 x val. / 1000 EUR		5 ani	-	
	TOTAL punctaj Criteriul I					59,26
II	Activitatea de cercetare științifică					
	1. Cărți de specialitate, tratate, monografii/capitole în cărți, tratate, monografii					
	1.1. Cărți de specialitate, tratate, monografii/capitole în cărți, tratate, monografii, publicate la edituri din străinătate	50 x (np / 100) / na		5 ani	1). Harshit K. Dave, Sandip T. Patel, Dumitru Nedelcu , Mohd. Khairul Anuar Bin Mohd Ariffin, Keyur P. Desai, (2025), <i>Multi-Material Vat Photopolymerization 3D Printing: A Brief Review of Technology, Design, and Process</i> , Book title: Digital Product Design and Manufacturing, eds Gheorghe Oancea, Panagiotis Kyratsis, CRC Press (Taylor & Francis), 27 pages, Boca Raton, Florida, USA, https://doi.org/10.1201/9781003518198 , [50x(27/100)/5=2,7] 2). Daniel Chiriță, Dumitru Nedelcu , (2021), <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, 221-251, https://doi.org/10.1007/978-3-030-69472-2 , [50x(30/100)/2=7,5] 3). Dumitru Nedelcu , Andrei-Danut Mazurchevici, (2021), <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, Fused Deposition Modeling Based 3D Printing. Materials Forming, Machining and Tribology. Springer, Cham., Springer, https://doi.org/10.1007/978-3-030-68024-4_3 , 43-61, [50x(18/100)/2=4,5] 4). Hargovind Soni, S. Narendranath, M.R. Ramesh, Dumitru Nedelcu , Madindwa Mashinin and Anil Kumar, (2021), <i>Development of Ti₅₀Ni_{50-x}Co_x (X=1 and 5 at. %) Shape Memory Alloy and Investigation of Input Process Parameters of Wire Spark</i>	18,36

					<i>Discharge Machining</i>, Chapter 4, 77-97, S. Pathak (ed.) <i>Intelligent Manufacturing Materials Forming, Machining and Tribology</i>, Springer Nature Switzerland AG 2021, https://doi.org/10.1007/978-3-030-50312-3_4, [50x(20/100)/6=1,66] 5). A D Mazurchevici, R I Popa, C Carausu, S N Mazurchevici, D Nedelcu, (2020), <i>Influence of layer thickness, infill rate and orientation on thermal and structural loading of FDM parts</i>, Advances in Manufacturing Processes, Editors: Harshit Dave, Dumitru Nedelcu, Springer Nature Book Series, Singapore, Springer Nature Book Series, Singapore, ISSN 2195-4356, https://doi.org/10.1007/978-981-15-9117-4, 263-282, [50x(20/100)/5=2]	
	1.2. Cărți de specialitate, tratate, monografii/capitole în cărți, tratate, monografii, publicate la edituri naționale CNCS, cu ISBN și referenți	40 x (np / 100) / na		5 ani	-	
	1.3. Cărți de specialitate, tratate, monografii/capitole în cărți, tratate, monografii, publicate la alte edituri naționale, cu ISBN și referenți	20 x (np / 100) / na		5 ani	-	
	2. Cărți de specialitate publicate în calitate de editor/coordonator (nu se includ contribuțiile ca editor de proceedings)					
	2.1. Cărți de specialitate publicate în calitate de editor/coordonator la edituri din străinătate	30 x (np / 100) / ned		5 ani	1). Advanced Engineering Forum Vol. 56, (2025), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh and Dr. Rizki Agam Syahputra, eBook, 978-3-0364-0808-8, editura Trans Tech Publication, Elveția, https://www.scientific.net/book/advanced-engineering-forum-vol-56/978-3-0364-1808-7, [30x(152/100)/3=15,19] 2). Advanced Engineering Forum Vol. 55, (2025), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh, Prof. Kazuo Umemura and Ayo A Adeniyi, eBook, 978-3-0364-0807-	231,97

					1, https://www.scientific.net/book/advanced-engineering-forum-vol-55/978-3-0364-1807-0, [30x(121/100)/3=12,09] 3). Advanced Engineering Forum Vol. 54, (2025), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh, https://www.scientific.net/book/advanced-engineering-forum-vol-54/978-3-0364-1729-5, eBook, 978-3-0364-0729-6, [30x(161/100)/2=24,15] 4). Advanced Engineering Forum Vol. 53, (2024), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh and Dr. Nicușor Alin Sîrbu, eBook, 978-3-0364-0712-8, https://www.scientific.net/book/advanced-engineering-forum-vol-53/978-3-0364-1712-7, [30x(119/100)/3=11,89] 5). Advanced Engineering Forum Vol. 52, (2024), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh, https://www.scientific.net/book/advanced-engineering-forum-vol-52/978-3-0364-1625-0, eBook, 978-3-0364-0625-1, [30x(117/100)/2=17,55] 6). Advanced Engineering Forum Vol. 51, (2024), editori Prof. Mikkel K. Kragh, Prof. Dumitru Nedelcu and Khairunisak Abdul Razak, eBook, 978-3-0364-0503-2, https://www.scientific.net/book/advanced-engineering-forum-vol-51/978-3-0364-1503-1, [30x(75/100)/3=7,5] 7). Advanced Engineering Forum Vol. 50, (2023), editori Prof. Dumitru Nedelcu and Prof. Mikkel K. Kragh, eBook, 978-3-0364-0415-8 https://www.scientific.net/book/advanced-engineering-forum-vol-50/978-3-0364-1415-7, [30x(125/100)/2=18,75] 8). Advanced Engineering Forum Vol. 49, (2023), editori Prof. Dumitru Nedelcu and Prof. Mikkel K. Kragh, Dr. Zhibin You and Dr. Zhigang Fang, eBook, 978-3-0364-0336-6, https://www.scientific.net/book/advanced-engineering-forum-vol-49/978-3-0364-1336-5, [30x(113/100)/4=8,47] 9). Advanced Engineering Forum Vol. 48, (2023), editori Prof. Dumitru Nedelcu and Prof. Mikkel K. Kragh, eBook, 978-3-0357-2654-1, https://www.scientific.net/book/advanced-engineering-forum-vol-48/978-3-0357-3846-9, [30x(117/100)/2=17,55] 10). Advanced Engineering Forum Vol. 47, (2022), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh and Prof. Ahmed H. El-Shazly, eBook, 978-3-0364-0143-0, https://www.scientific.net/book/advanced-engineering-forum-vol-47/978-3-0364-1143-9, [30x(101/100)/3=10,09] 11). Advanced Engineering Forum Vol. 46, (2022), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh and Dr. Nicușor Alin Sîrbu, eBook, 978-3-0364-0093-8, https://www.scientific.net/book/advanced-engineering-forum-vol-46/978-3-0364-1093-7, [30x(91/100)/3=9,09]	
--	--	--	--	--	--	--

					12). Advanced Engineering Forum Vol. 45, (2022), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh, https://www.scientific.net/book/advanced-engineering-forum-vol-45/978-3-0357-3501-7, eBook, 978-3-0357-1535-4, [30x(97/100)/2=14,55] 13). Advanced Engineering Forum Vol. 43, (2021), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh, eBook, 978-3-0364-0018-1, https://www.scientific.net/book/advanced-engineering-forum-vol-43/978-3-0364-1018-0, [30x(137/100)/2=20,55] 14). Advanced Engineering Forum Vol. 41, (2021), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh, eBook, 978-3-0357-2730-2, https://www.scientific.net/book/advanced-engineering-forum-vol-41/978-3-0357-3730-1, [30x(111/100)/2=16,65] 15). Advanced Engineering Forum Vol. 40, (2021), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh, eBook, 978-3-0357-1730-3, https://www.scientific.net/book/advanced-engineering-forum-vol-40/978-3-0357-2353-3, [30x(83/100)/2=12,45] 16). Advanced Engineering Forum Vol. 39, (2021), editori Prof. Dumitru Nedelcu, Prof. Mikkel K. Kragh, eBook, 978-3-0357-1419-7, https://www.scientific.net/book/advanced-engineering-forum-vol-39/978-3-0357-3419-5, [30x(103/100)/2=15,45]	
	2.2. Cărți de specialitate publicate în calitate de editor/coordonator la edituri naționale, cu ISBN și referenți	15 x (np / 100) / ned		5 ani	-	
	3. Articole publicate în reviste de specialitate					
	3.1. Reviste cu factor de impact calculat (FI), vizibile pe Web of Science	(30+10 x FI)/na, FI < 0.5 (50+10 x FI)/na, 0.5 < FI < 5,	FI – factor de impact	5 ani	1). Ciprian-Dumitru Ciofu, Petronela-Daniela Rusu (Ostahie), Marcin Adamiak, Oktawian Bialas, Catalin Tampu, Panagiotis Kyratsis, Anastasios Tzotzis, Simona-Nicoleta Mazurchevici, Alexandra Nedelcu, Zhengyi Jiang, Daniel Mindru, Dumitru Nedelcu, (2025), <i>Wettability, Tribology, Degradation, and Topography of Laser-Textured Surfaces of Biopolymers</i>, Micromachines 2025, 16, 1009, https://doi.org/10.3390/mi16091009, [(50+10x3)/12=6,66]	399,54

		(70+10 x FI)/na, FI > 5			2). Anastasios Tzotzis, Dumitru Nedelcu, Simona-Nicoleta Mazurchevici, Panagiotis Kyratsis, (2025), Investigating the machining behavior of the additively manufactured polymer-based composite using adaptive neuro-fuzzy learning, Appl. Sci., 15(1), 5373, https://doi.org/10.3390/app15105373, [(50+10x2,5)/4=18,75] 3). Jingru Yan, Muyuan Zhou, Afshana Morshed, Hui Wu, Xiaojun Liang, Zhao Xing, Hongbin Li, Yongnian Zhu, Liang Zhao, Wuxiao Gao, Sihai Jiao, Nedelcu Dumitru, Panagiotis Kyratsis & Zhengyi Jiang, (2025), Study on wear performance of a novel high-carbon medium manganese bimetal composite using in mining facilities, International Journal of Advanced Manufacturing Technology, 137, 5015–5026, https://doi.org/10.1007/s00170-025-15445-7, Springer, [(50+10x3,1)/14=5,78] 4). Petronela-Daniela Rusu (Ostahie), Oktawian Bialas, Anna Wozniak, Marcin Adamiak, Augustine Appiah, Catalin Tampu, Simona-Nicoleta Mazurchevici, Panagiotis Kyratsis, Anastasios Tzotzis, Alexandra Nedelcu, Teodor-Daniel Mindru, Dumitru Nedelcu, (2025), <i>Characterization of Laser-Textured Surfaces of Parts of a Biodegradable Polymer</i>, Coatings, 15, 246, https://doi.org/10.3390/coatings15020246, [(50+10x2,8)/12=6,5] 5). Mihaela Feraru (Ilie), Simona-Nicoleta Mazurchevici, Nicoleta-Monica Lohan, Marcelin Benchea, Fabian Cezar Lupu, Dumitru Nedelcu, (2025), Tribological and Structural Properties of Copper-Coated 3D-Printed Parts from Biodegradable Polymers, Micromachines, 16(1), 100; https://doi.org/10.3390/mi16010100, [(50+10x3)/6=13,33] 6). Mihaela Feraru (Ilie), Simona-Nicoleta Mazurchevici, Bogdan Pricop, Denise Bellisario, Ciprian Dumitru Ciofu, Dumitru Nedelcu (2025), Surface Quality of Cu-coated Printed Samples, Macromolecular Symposia, 414(3), https://doi.org/10.1002/masy.70048, [(50+10x0,913)/6=9,85] 7). Petronela-Daniela Rusu (Ostahie), Simona-Nicoleta Mazurchevici, Catalin Tampu, Constantin Carausu, Ciprian Dumitru Ciofu, Dumitru Nedelcu (2025), Laser Surface Texturing of Biodegradable Polymers, 414(3), Macromolecular Symposia, https://doi.org/10.1002/masy.70053, [(50+10x0,913)/6=9,85] 8). Simona-Nicoleta Mazurchevici, Alina Marguta and Dumitru Nedelcu, (2024), Characteristics of biodegradable polymers when subjected to ceramic coatings, Mechanics & Industry, 25, Advanced Approaches in Manufacturing Engineering and Technologies Design, article number 30, DOI: https://doi.org/10.1051/meca/2024025, [(50+10x1,2)/3=20,66] 9). A Tzotzis, D Nedelcu, SN Mazurchevici, P Kyratsis, (2024), Surface Quality Evaluation of 3D-Printed Carbon-Fiber-Reinforced PETG Polymer During Turning: Experimental Analysis, ANN Modeling and Optimization, Polymers 16 (20), 2927, https://doi.org/10.3390/polym16202927, [(50+10x4.9)/4=24,75]	
--	--	-------------------------	--	--	--	--

					10). Costel Catalin Coman, Simona-Nicoleta Mazurchevici, Nicanor Cimpoeșu, Constantin Carausu, Valentin Stefan Oleksik, Dumitru Nedelcu, (2024), Improved surface quality with TiN-coated tool, <i>Macromolecular Symposia</i>, 413(3), article number 2300203, DOI 10.1002/masy.202300203, [(50+10x0,913)/6=9,85] 11). Coman Costel Catalin, Mazurchevici Simona-Nicoleta, Carausu Constantin, Nedelcu Dumitru, (2023), Analysis of Incremental Sheet Forming of Aluminum Alloy, <i>Materials</i>, 16(19), article number 6371, DOI 10.3390/ma16196371, [(50+10x3,2)/4=20,5] 12). Simona-Nicoleta Mazurchevici, Oktawian Bialas, Teodor Daniel Mindru, Marcin Adamiak, Dumitru Nedelcu, (2023). <i>Characterization of Arboblend V2 Nature Textured Surfaces obtained by Injection Molding</i>, <i>Polymers</i>, 2023, 15(2), 406, 1-17, https://doi.org/10.3390/polym15020406, [(50+10x4,9)/5=19,8] 13). Justina Georgiana MOTAS, Simona Nicoleta MAZURCHEVICI, Dumitru NEDELICU, (2022), <i>Mechanical characteristics of arboblend v2 nature coated with silver nanoparticles</i>, <i>Acta Technica Napocensis Series: Applied Mathematics, Mechanics and Engineering</i>, Vol 65, No 4S, 1255-1262, [(30+10x0,2)/3=10,66] 14). Daniel Mărguță, Eugen Herghelegiu, Cătălin Tâmpu, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu (autor corespondent), (2022), <i>Structural and morphological characterization of biopolymeric samples through AWJ machining</i>, <i>Macromolecular Symposia</i>, 404, 1, article number 2100280, DOI: 10.1002/masy.202100280, [(50+10x0,913)/5=11,82] 15). Simona-Nicoleta Mazurchevici, Alina Marguta, Bogdan Istrate, Marcelin Benchea, Mihai Boca, Dumitru Nedelcu (autor corespondent), <i>Improvements of Arboblend V2 Nature characteristics through depositing thin ceramic layers</i>, <i>Polymers</i> 2021, 13(21), 3765, https://doi.org/10.3390/polym13213765, [(50+10x4,9)/6=16,5] 16). Simona-Nicoleta Mazurchevici, Dorin Vaideanu, Doreen Rapp, Cristian-Dragos Varganici, Constantin Carausu, Mihai Boca, Dumitru Nedelcu (autor corespondent), (2021), <i>Dynamic mechanical analysis and thermal expansion of lignin-based biopolymers</i>, <i>Polymers</i>, 13, 2953, https://doi.org/10.3390/polym13172953, [(50+10x4,9)/7=14,14] 17). Simona-Nicoleta Mazurchevici, Justina Georgiana Motas, Mariana Diaconu, Gabriela Lisa, Nicoleta Monica Lohan, Mihai Glod, Dumitru Nedelcu (autor corespondent), <i>Nanocomposite Biopolymer Arboblend V2 Nature AgNPs</i>, <i>Polymers</i> 2021, 13, 2932, https://doi.org/10.3390/polym13172932, [(50+10x4,9)/7=14,14] 18). Justina G Motas, Nima E. Gorji, Dumitru Nedelcu, Dermot Brabazon, Quadrini Fabrizio, (2021), <i>XPS, SEM, DSC and nanindentation Characterization of Silver Nano-Coated Biopolymer Pellets</i>, <i>Appl. Sci.</i> 2021, 11(16), 7706; https://doi.org/10.3390/app11167706, [(50+10x2,5)/5=15]	
--	--	--	--	--	---	--

					19). Kumar, S; Park, HS; Nedelcu, D., (2021), <i>Development of Real-time Grinding Process Monitoring and Analysis System</i>, International Journal of Precision Engineering and Manufacturing, 22, 1345-1355, DOI: 10.1007/s12541-021-00539-5, [(50+10x3,6)/3=28,66] 20). Harshit K. Dave; Brijesh H. Patel; Shilpesh R. Rajpurohit; Ashish R. Prajapati; Dumitru Nedelcu, (2021). <i>Effect of Multi-Infill Patterns on Tensile Behaviour of FDM Printed Parts</i>, Journal of the Brazilian Society of Mechanical Sciences and Engineering (BMSE), 43(1), article number 23, [(50+10x2,1)/5=14,2] 21). Mazurchevici Simona-Nicoleta, Carausu Constantin, Popa Ramona-Iuliana, Ciofu Ciprian, Paunoiu Viorel, Baroiu Nicusor, Nedelcu Dumitru, (2021), <i>Structural analyses of biodegradable printed samples</i>, Macromolecular Symposia, 396(1), Special issue-Progress on polymers and composites products and manufacturing technologies, ISSN 1521-3900, DOI: https://doi.org/10.1002/masy.202000308, [(50+10x0,913)/7=8,44] 22). Nicușor BAROIU, Georgiana-Alexandra COSTIN, Virgil Gabriel TEODOR, Dumitru NEDELICU, Valentin TĂBĂCARU, (2020), <i>Prediction of surface roughness in drilling of polymers using a geometrical model and artificial neural networks</i>, Materiale Plastice, manuscript accepted, vol. 57(3), ISSN 2668-8220, https://doi.org/10.37358/MP.57.20.3, [(50+10x0,7)/5=11,4] 23). 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, [(50+10x3,057)/6=13,42] 24). 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 [(50+10x3,2)/3=27,33] 25). Esteban Broitman, Dumitru Nedelcu, Simona Nicoleta Mazurchevici, (2020), <i>Tribological and Nanomechanical Properties of a Lignin-based Biopolymer</i>, e-Polymers, 20, 1-14, https://doi.org/10.1515/epoly-2020-0055, [(50+10x3,3)/4=20,75] 26). 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, [(50+10x0,7)/7=8,14]	
--	--	--	--	--	---	--

					27). Andrei Mazurchevici, Dumitru Nedelcu, Ramona Popa, (2020), <i>Additive Manufacturing of Composite Materials by FDM Technology: A Review</i> , <i>Indian Journal of Engineering & Materials Sciences</i> , 27(2), 179-192, [(50+10x0,6)/3=18,66]	
	3.2. Reviste fără factor de impact calculat, vizibile pe Web of Knowledge	30/na		5 ani	-	
	3.3. Reviste incluse în BDI, cu referenți (SCOPUS, EBSCO, Engineering Village etc.)	20/na		5 ani	1. Justina Georgiana Motas, Fabrizio Quadrini, Dumitru Nedelcu, (2020), <i>Silver Nano-Coating of Liquid Wood for Nanocomposite Manufacturing</i>, Elsevier, <i>Procedia Manufacturing</i>, 47, 974-979, https://www.sciencedirect.com/science/article/pii/S2351978920313652, (20/3=6,66) 2. Feraru Mihaela (Ilie), Simona - Nicoleta Mazurchevici, Teodor - Daniel Mîndru, Constantin Carausu, Dumitru Nedelcu (2025), <i>Copper coatings of polymer matrix composites. A review</i>, <i>Journal of Engineering Sciences and Innovation</i>, 10(1), 55-92 (20/5=4) 3. Simona-Nicoleta Mazurchevici, Oktawian Bialas, Anna Wozniak, Marcelin Benchea, Petronela Rusu (Ostahie), Ciprian Ciofu, Daniel- Teodor Mindru (autor correspondent), Marcin Adamiak, Dumitru Nedelcu, <i>Advances of laser surface texturing on the polyamide parts</i>, <i>Int J of Modern Manufact Technologies</i>; XVI, No.3, 2024, pp 173-181, https://doi.org/10.54684/ijmmt.2024.16.3.173 (20/9=2,22) 4. Simona-Nicoleta Mazurchevici, Oktawian Bialas, Anna Wozniak, Marcelin Benchea, Petronela Rusu (Ostahie), Ciprian Ciofu (autor correspondent), Constantin Carausu, Marcin Adamiak, Dumitru Nedelcu, <i>Modifying surface characteristics of Polyamide 6.6 by using LST technique</i>, <i>Int J of Modern Manufact Technologies</i>; XVI, No.2, 2024, pp 113-120, https://doi.org/10.54684/ijmmt.2024.16.2.113 (20/9=2,22) 5. Mihaela Feraru (Ilie), Simona-Nicoleta Mazurchevici (autor correspondent), Marcelin Benchea, Daniela-Lucia Chicet, Teodor - Daniel Mindru, Dumitru Nedelcu, <i>Enhanced surface characteristics of cooper coated 3D printed parts</i>, <i>Int J of Modern Manufact Technologies</i>; XVI, No.2, 2024, pp 106-112, https://doi.org/10.54684/ijmmt.2024.16.2.106 (20/6=3,33) 6. Maria Catana, Simona-Nicoleta Mazurchevici, Constantin Cărașu, Teodor Daniel Mîndru, Dumitru Nedelcu (autor correspondent), <i>Bicomponent additive manufacturing of polymers - A review</i>, <i>Int J of Modern Manufact Technologies</i>; XVI, No.2, 2024, pp 13-31, https://doi.org/10.54684/ijmmt.2024.16.2.13 (20/5=4) 7. Simona Nicoleta Mazurchevici, Alina Marguta, Dumitru Nedelcu, (2024), <i>Enhancing the characteristics of bio-based polymers coated with ceramic particles</i>, <i>Journal of Engineering Sciences and Innovation</i>, 9(1), 47-56, (20/3=6,66)	72,07

				8. Coman Costel Catalin, Mazurchevici Simona-Nicoleta, Carausu Constantin, Nedelcu Dumitru, (2023), Influence of technological parameters on machining accuracy in incremental forming, International Journal of Modern Manufacturing Technologies, 15(2), 29 – 38, DOI 10.54684/ijmmt.2023.15.2.29, (20/4=5) 9. Daniel Mărguță, Eugen Herghelegiu, Cătălin Tâmpu, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, <i>Water jet cutting influence on lignin-based polymer samples</i>, International Journal of Modern Manufacturing Technologies, Special Issue, Vol.XIII, No.1 / 2021, indexare Scopus, Index Copernicus, Inspec, CNKI, Google Scholar, (20/5=4) 10. Coman Costel Catalin, Mazurchevici Simona-Nicoleta, Carausu Constantin, Nedelcu Dumitru, (2023), <i>Influence of technological parameters on machining accuracy in incremental forming</i>, International Journal of Modern Manufacturing Technologies, 15(2), 29 – 38, DOI 10.54684/ijmmt.2023.15.2.29, (20/4=5) 11. Alina Marguta, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2023), <i>Coating of a lignin-based polymer with ceramic micropowders</i>, Journal of Engineering Sciences and Innovation, 8(2), 101-112, (20/3=6,66) 12. Alina Mărguță, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2022), Thermal behavior of coated bio-polymers, International Journal of Modern Manufacturing Technologies, XIV(3), 146-151, https://doi.org/ 10.54684/ijmmt.2022.14.3.146, (20/3=6,66) 13. Alina Mărguță, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2022), <i>Coated polymers - A review</i>, International Journal of Modern Manufacturing Technologies, XIV(2), 128-144, https://doi.org/ 10.54684/ijmmt.2022.14.2.128, (20/3=6,66) 14. Justina Georgiana Motaș, Fabrizio Quadrini, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2022), <i>OTR and surface-wetting of coated Arboblend V2 Nature sheets</i>, ASTR, Journal of Engineering and Innovation, 7(3), 327-336, (20/4=5) 15. Daniel Mărguță, Eugen Herghelegiu, Cătălin Tâmpu, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu (autor corespondent), (2021), <i>Technological parameters influence on biodegradable injected polymers during water jet cutting</i>, ASTR, Journal of Engineering and Innovation, 6(3), 235-248, (20/5=4)	
3.4. Reviste de specialitate românești, cu referenți	10/na		5 ani	-	
3.5. Buletinul I.P.Iași	20/na		5 ani	-	
4. Articole publicate în volumele conferintelor					

4.1. Articole în extenso în volume indexate ISI Proceedings	25/na		5 ani	1. D. Mărguță, E Herghelegiu, C Tampu, S-N Mazurchevici, D. Nedelcu (autor corespondent), Behavior of Arboblend V2 Nature under AWJ machining, IOP Conf.Series: Materials Science and Engineering, 1182 (2021) 012044, doi: 10.1088/1757-899X/1182/1/012044 (25/5=5) 2. Alina Marguta, Simona-Nicoleta Mazurchevici, Constantin Carausu, Dumitru Nedelcu, Biodegradable polymer properties through ceramic coatings, MATEC Web of Conferences, 368, 01017 (2022), https://doi.org/10.1051/matecconf/202236801017 (25/4=6,25) 3. A-D Mazurchevici, R Popa, C Carausu, R Comaneci, S-N Mazurchevici, D Nedelcu, (2020), Basic mechanical analysis of biodegradable materials, NewTech2020 International Conference, IOP Conference Series: Materials Science and Engineering, 968, 012010, https://doi.org/10.1088/1757-899X/968/1/012010 (25/6=4,16) 4. C Carausu, S-N Mazurchevici, A-D Mazurchevici, L Andrusca, R Comaneci, D Nedelcu, (2020), Mechanical Characterization of Additive Manufactured Samples from Biodegradable Materials, Proceedings of ModTech2020 International Conference, IOP Conference Series: Materials Science and Engineering, 916, 012016, doi:10.1088/1757-899X/916/1/012016 (25/6=4,16)	19,57
4.2. Articole în extenso în volume indexate BDI	20/na		5 ani	-	
4.3. Articole în extenso în volume neindexate BDI	15/na		5 ani	-	
5. Prelegeri/lucrări comunicate la manifestări științifice					
5.1. În plen, la manifestări științifice internaționale din strainatate (invited paper/keynote speaker)	25		5 ani	1). AMPT2023, 13-16 septembrie, Bangi, Malaysia, Plenary speaker 2). NewTech2022, The 7th International Conference on Advanced Manufacturing Engineering and Technologies, September 8-10, 2022, Rennes, France, keynote speaker 3). 6th North American Conference of the IEOM Society, Monterrey, Mexico, 3-5 noiembrie 2021, keynote speaker 4). 3rd Webinar on 3D Printing & Additive Manufacturing, 22-23 martie 2021, Coalesce Research Group, keynote speaker. 5). ICMTE 2020, 19-20 octombrie 2020, Seul, Coreea de Sud, Invited speaker 6). PACE2021, 20-23 iunie 2021, Turcia, keynote speaker.	200

				7). RAM2021 International Conference, SVNIT, Surat, Gujarat, India, 10-12 iunie 2021, keynote speaker 8). ICES, 3-4 februarie 2023, Turcia, invited speaker workshop Functional Nanomaterials.	
	5.2. În plen, la manifestări științifice naționale		5 ani		
	a. cu participare internațională	15	5 ani	1). Polcom 2022, 23-26 noiembrie, Bucuresti Romania, plenary speaker	15
	b. cu participare națională	10	5 ani	-	
	5.3. Poster internațional	3	5 ani	-	
	5.4. Poster național	1	5 ani	-	
	6. Editor de Proceedings conferințe, sub formă de volum cu ISBN	10 x (np / 100) / ned	5 ani	1). Ed. Harshit Dave, Uday Shanker Dixit, Dumitru Nedelcu , <i>Recent Advances in Manufacturing Processes and Systems</i> , (2021), Springer Nature Singapore, ISBN 978-981-16-7786-1 ISBN 978-981-16-7787-8 (eBook), https://doi.org/10.1007/978-981-16-7787-8 , [10x(1029/100)/3=34,3] 2). Ed. Harshit Dave, Dumitru Nedelcu , (2020), <i>Advances in Manufacturing Processes</i> , https://link.springer.com/book/10.1007/978-981-15-9117-4 , [10x(821/100)/2=41,05]	75,35
	7. Cereri de brevet depuse – publicate in BOPI si nebrevetate				
	7.1. OSIM	10/na	10 ani	-	
	7.2. Internaționale	20/na	10 ani	-	
	8. Brevete obținute				
	8.1. OSIM	20/na	15 ani	1). Nedelcu Dumitru , Cobzaru, P., Scurtu P.R., Chelariu, R., <i>Matriță pentru obținerea prin forjare lichidă a mostrelor de material compozit cu matrice metalică</i> , Brevet RO126022/2014 (10/4=2,5)	2,5
	8.2. Internaționale	40/na	15 ani	-	
	9. Participare la saloane de invenții				
	9.1. Participare cu lucrare la saloane de invenții internaționale,	6	5 ani	-	

	organizate în străinătate					
	9.2. Participare cu lucrare la saloane de invenții naționale	3		5 ani	-	
	10. Proiecte/granturi de cercetare-dezvoltare câștigate prin competiție internațională, derulate prin TUIASI					
	10.1. Director / responsabil proiect/responsabil științific	30 x val / 20 000 lei		5 ani	-	
	10.2. Membru în echipă	10 x val / 20 000 lei / nm		5 ani		
	11. Proiecte/granturi de cercetare-dezvoltare câștigate prin competiție națională, derulate prin TUIASI					
	11.1. Director / responsabil proiect/responsabil științific	10 x val / 20 000 lei		5 ani	1). GI-P21-2021: Dezvoltarea capacității de publicare, grant intern TUIASI Director proiect: Nedelcu Dumitru, [10x45000lei/20000lei=22,5] 2). PN-III-P1-1.2-PCCDI2017-0446: Development of the national research-development system, 2018-2021 , Smart forming of composite materials for automotive body parts. Contract nr. 82 PCCDI/2018 Valoare proiect: 1057000 lei (1 euro=4.6581/01.03.2018), 226916,55 euro Buget 2021: 56713 lei Responsabil partener proiect complex TUIASI: Nedelcu Dumitru [10 x 56713 / 20000 lei=28,35]	50,85
	11.2. Membru în echipă	5 x val / 20 000 lei / nm		5 ani	1). Expert educațional Dumitru Nedelcu - IVAC- (2021), Lanț valoric integrat pentru îmbunătățirea pieței muncii, cod 2SOFT/1.1/94, Programul operațional comun România-Republica Moldova, predare curs Procesarea și prelucrarea materialelor compozite și desfășurare activități practice în injectarea materialelor compozite, printarea 3D și scanarea 3D, Coordonator proiect: Universitatea Tehnică "Gheorghe	19,89

				Asachi” din Iași, https://www.ivac.tuiasi.ro , (buget TUIASI 159000 euro x 4,8691 lei/04.01.2021=774186,9 lei) [5 x 774186,9 /20000 / 10=19,35] 2). Membbru , proiect PN-III-P1-1.2-PCCDI-2017-0239, Contract Nr. 60PCCDI/2018, 2018-2020, Obtaining and expertise of new biocompatible materials for medical applications, Component 1 Project “Biodegradable Mg-Based Alloys for Orthopedic Implants – ORTOMAG” Valoare TUIASI proiect component 1: 445000 lei (1 euro=4.6581/01.03.2018), 95532,51 euro) Director Proiect PCCDI: Prof.univ.dr.ing. Corneliu Munteanu Buget TUIASI 2021 – 30275,5 lei [5 x 30275,5/20000 / 14=0,54]	
12. Proiecte din fonduri structurale/fonduri dezvoltare instituțională/ROSE				-	
12.1. Manager proiect	20		5 ani	-	
12.2. Manager din partea TUIASI	15		5 ani	-	
12.3. Expert termen lung	8		5 ani	-	
12.4. Expert termen scurt	3		5 ani	-	
13. Proiect de grant depus	Punctaj obținut/4		5 ani	1). PN-III-P4-PCE-2021-1293, Biopolimeri acoperiți cu straturi ceramice subțiri, [71,4/4=17,85] 2). PN-IV-P1-PCE-2023-1564, Texturarea cu laser a suprafețelor pieselor din materiale biodegradabile obținute prin injectare, [67,6/4=16,9] 3). PN-III-P2-2.1-PED 2021-2920, Printarea 3D inteligenta a polimerilor biodegradabili ranforsati cu fibre de carbon, [88,4/4=22,1] 4). PN-IV-P7-7.1-PED 2024-0981, Tehnologie de acoperire adaptiva cu particule de cupru a pieselor obtinute prin injectare, [77,6/4=19,4] 5). PN-IV-P8-8.3-ROMD-2023-0006, Caracterizarea materialelor biodegradabile acoperite cu particule de cupru, [84,67/4=21,16] 6). PN-IV-PCB-RO-MD-2024, Characterization of Biodegradable Materials Coated with Silver Nano-Particles, [56/4=14]	111,41
14. Contracte de cercetare-inovare-expertizare-				-	

	consultanță cu mediul economic					
	14.1. Director / responsabil proiect/responsabil științific	15 x val / 10 mii lei		5 ani	-	
	14.2. Membru în echipă	3 x val / 10 mii lei/nm		5 ani	-	
	15. Coordonare laborator/centru de cercetare	20		5 ani	Laboratorul de Mecanică Fină și Nanotehnologii	20
	16. Conducere doctorat					
	16.1. Conducător doctorat/profesor abilitat	10		5 ani	-	
	16.2. Teze de doctorat coordonate, susținute public și confirmate CNATDCU	5	Pt. o teză	5 ani	1). Contribuții la studiul procesului de printare 3D a materialelor biodegradabile, dr Andrei Mazurchevici, OM 5748 din 13.10.2020 2). Contribuții privind acoperirea cu particule ceramice a pieselor obținute din biopolimeri, dr Alina Mărguță, OM 3900 din 28.03.2023 3). Contribuții privind obținerea pieselor utilizând procesul de ambutisare incrementală, dr. Coman Cătălin, OM 3670/30.01.2024 4). Contribuții privind debitarea cu jet de apă a reperelor din biopolimeri, dr Daniel Mărguță, prezentare publică sept 2021, OM 3677/03.05.2022 5). Contributions regarding the coating of biodegradable materials with nanoparticles, dr Motaș Justina, OM 3677/03.05.2022 6). Contribuții privind acoperirea cu pulberi din aliaje de cupru a pieselor printate 3d din materiale biodegradabile, dr Feraru (Ilie) Mihaela, prezentare publică 5 sept 2025	25
	17. Membru în comisii îndrumare doctoranzi/susținere rapoarte de cercetare	3	Pe comisie/an	5 ani	<u>Comisii de îndrumare - 14:</u> 1). Drd Ilie Dumitru admis doctorat 1.10.2024 2). Drd Lucian-Corneliu Dârlău, admis doctorat 1.10.2021 3). Drd Moisă Alin, admis doctorat 1.10.2023 4). Drd Rusu (Ostahie) Petronela, admis doctorat 1.10.2022 5). Drd Maria Catana, admis doctorat 1.10.2021 6). Drd Coman Costel, admis doctorat 1.10.2021 7). Drd Alexandru Nicoleta, admis doctorat 1.10.2021 8). Drd Popa Madalina, admis doctorat 1.10.2019 9). Drd Dinescu Victor, admis doctorat 1.10.2020 10). Drd Feraru (Ilie) Mihaela, admis doctorat 1.10.2020	111

				11). Drd Danut Silianu, admis doctorat 1.10.2019 12). drd Aldea Adrian, admis doctorat 1.10.2018 13). Drd Motas Justina, admis doctorat 1.10.2018 14). Drd Ciprian Pintilie, admis doctorat 1.10.2020 <u>Sustinere rapoarte de cercetare - 23:</u> 1). Drd Popa Madalina, raport cercetare din 10.12.2021 2). Drd Dinescu Victor, proiect de cercetare din 23.09.2021 3). drd Danut Silianu, raport de cercetare din 23.09.2021 4). Drd Aldea Adrian, raport de cercetare din 28.02.2023 5). Drd Motas Justina, raport cercetare din 10.06.2021 6). Drd Ilie Dumitru, proiect de cercetare din 18.09.2025 7). Drd Lucian-Corneliu Dârlău, raport de cercetare din 22.09.2023 8). Drd Lucian-Corneliu Dârlău, raport de cercetare din 11.09.2024 9). Drd Lucian-Corneliu Dârlău, raport de cercetare din 30.09.2025 10). Drd Moisă Alin, raport cercetare din 19.09.2024 11). Drd Moisă Alin, raport de cercetare din 25.04.2025 12). Drd Rusu (Ostahie) Petronela, proiect de cercetare din 21.09.2023 13). Drd Rusu (Ostahie) Petronela, raport de cercetare din 09.09.2024 14). Drd Rusu (Ostahie) Petronela, raport de cercetare din 14.03.2025 15). Drd Rusu (Ostahie) Petronela, raport de cercetare din 28.03.2025 16). Drd Maria Catana, raport cercetare din 22.09.2023 17). Drd Maria Catana, raport de cercetare din 11.09.2024 18). Drd Maria Catana, raport de cercetare din 10.09.2025 19). Drd Coman Costel, raport de cercetare din 12.06.2023 20). Drd Alexandru Nicoleta, raport de cercetare din 22.09.2023 21). Drd Ciprian Pintilie, raport cercetare din 10.06.2022 22). Drd Feraru (Ilie) Mihaela, raport cercetare din 06.09.2023 23). Drd Feraru (Ilie) Mihaela, proiect de cercetare din 23.09.2021	
18. Acorduri de colaborare științifică (cercetare, doctorat/postdoc)	3		5 ani	1). Coordonator MOU între TUIASI și SVNIT, Surat, Gujarat, India, 2023-în prezent 2). Coordonator MOU între laboratorul de TMF și Catedra de Stiințe Fizice și ingineresti, Universitatea Alecu Russo din Bălți, Republica Moldova, 2021-în prezent 3). Cotutela doctorat drd Lucian Dârlau, nr. 2618/27.01.2023 între TUIASI și SUT (Universitatea Sileziană de Tehnologie din Gliwice, Polonia) 4). Cotutela doctorat drd Rusu (Ostahie) Petronela, nr. 2617/27.01.2023 între TUIASI și SUT (Universitatea Sileziană de Tehnologie din Gliwice, Polonia) 5). Cotutela doctorat drd Maria Catana, nr. 2616/27.01.2023 între TUIASI și SUT (Universitatea Sileziană de Tehnologie din Gliwice, Polonia) 6). Cotutela doctorat drd Victor Dinescu, din 02.08.2021 între TUIASI și SUT (Universitatea Sileziană de Tehnologie din Gliwice, Polonia)	21

					7). Cotutela doctorat drd Popa Madalina, din 02.08.2021 între TUIASI și SUT (Universitatea Sileziană de Tehnologie din Gliwice, Polonia)	
	19. Susținerea tezei de abilitare	30		5 ani	-	
	20. Președinte/Membru în comisii de abilitare	5/2	Pe comisie	5 ani	<u>Membru comisii de abilitare:</u> 1). Chirița Bogdan, 2023, Universitatea Vasile Alecsandri din Bacău 2). Crina Radu, 2022, Universitatea Vasile Alecsandri din Bacău 3). Nicusor Baroiu, 2022, Universitatea Dunarea de Jos din Galați	6
	21. Membru în comisii de doctorat					
	21.1. În străinătate	7	Pe comisie	5 ani	1). Drd. MOHD FAHMI BIN MAD ALI, teză de doctorat MACHINE LEARNING-BASED FRAMEWORK FOR TRANSFERRING LOCAL FACTORIES INTO SUPPLY CHAIN NETWORKS, Universitatea Putra Malaysia, septembrie 2022, conducător de doctorat Mohd Khairol Anuar B.Mohd Arifein 2). Drd Patel Himanshubhai Vayalbhai, SVNIT, Surat, Gujarat, India, conducător de doctorat Harshit Dave 3). Drd. Massimiliano Pedot, SUT, Gliwice, Polonia, 2023, conducător de doctorat Anna Timofiejczuk 4). Drd Razi Hadi Al-Zubaidi, Universitatea Putra Malaysia, septembrie 2023, conducător de doctorat Mohd Khairol Anuar B.Mohd Arifein 5). Drd Zheng Guanchao, Universitatea Putra Malaysia, septembrie 2022, conducător de doctorat Mohd Khairol Anuar B.Mohd Arifein 6). Drd Stanislav Lealin, Universitatea Tehnică a Moldovei, 2024, conducător de doctorat Sergiu Mazuru 7). Drd. Iațhevici Vadim, Universitatea Tehnică a Moldovei, 2023, conducător de doctorat Alexei Toca 8). Drd. Stroncea Aurel, Universitatea Tehnică a Moldovei, 2023, conducător de doctorat Alexei Toca.	56
	21.2. În țară	3	Pe comisie	5 ani	1). Drd Nita Bogdan, 2024, Universitatea Vasile Alecsandri din Bacău, conducator de doctorat Carol Schnakovszky 2). Drd Rauf Ozden, 2021, Universitatea Tehnică din Cluj-Napoca, conducator de doctorat Marcel Sabin Popa 3). Drd Georgiana-Alexandra Costin, 2022, Universitatea Dunarea de Jos din Galati, conducator de doctorat Virgil-Gabriel Teodor 4). Drd George Simion, 2024, Universitatea Dunarea de Jos din Galati, conducator de doctorat Elena Scutelnicu 5). Drd Ghincu T. Remus Vladimir, Universitatea din Oradea, conducator de doctorat Tiberiu Vesselenyi	30

					6). Drd Oana Maria Manta (căș. Bălaș), Universitatea Politehnica din Bucuresti, conducator de doctorat Cristian Doicin 7). Drd Ionel Sorin, 2024, Universitatea Politehnica din Bucuresti, conducator de doctorat Gheorghe Opran 8). Drd Jugravu Bogdan Alexandru, 2024, Universitatea Politehnica din Bucuresti, conducator de doctorat Gheorghe Opran 9). Drd Iulius Stroe, 2024, Universitatea Politehnica din Bucuresti, conducator de doctorat Ionel Simion 10). Drd Vaideanu Dorin, Universitatea Al. I. Cuza din Iasi, conducator de doctorat Maricel Agop	
	TOTAL punctaj Criteriul II					1485,51
III	Recunoaștere națională și internațională					
	1. Profesor invitat pentru prelegeri/stagii de cercetare la univ.		exclus Erasmus staff			
	1.1. În străinătate	10	Pt. o realizare	5 ani	1). Universitatea Sileziană de Tehnologie din Gliwice, Polonia, Facultatea de Mecanică, 2017-în prezent (<u>4 realizări</u> între 2020-2025) 2).Universitatea de Stat Alecu Russo din Bălți, Republica Moldova, 2021-în prezent (<u>3 realizări</u> între 2020-2025) 3). Sardar Vallabhbhai National Institute of Technology, Surat, India, 03-07 iulie 2023, expert străin pe proiectul GIAN, Kharagpur-721302 (<u>1 realizare</u>).	80
	1.2. În țară	5	Pt. o realizare	5 ani	-	
	2. Membru în comitetul științific al unor conferințe internaționale					
	2.1. În străinătate	5		5 ani	1). Conferința Internațională ICCCI Japonia, edițiile 2025, 2022	10
	2.2. În țară	3		5 ani	1). Conferința Internațională ModTech, edițiile 2021-2025 (5 ediții) 2). Conferința Internațională OPROTEH, edițiile 2021-2025 (5 ediții) 3). Conferința Internațională POLCOM, edițiile 2021-2025 (4 ediții)	42
	3. Editor/redactor șef, membru în colectivul editorial al unor reviste					
	3.1. Editor la revistă cotată ISI	20	Pt. o revistă	5 ani	1). Editor , Indian Journal of Engineering and Materials Sciences, New Delhi, India http://op.niscpr.res.in/index.php/IJEMS/about/editorialTeam	20

	3.2. Editor la revistă inclusă BDI	10	Pt. o revistă	5 ani	1). Editor Șef, International Journal of Hybrid Information Technology, Global Vision Press, Australia Indexare: National Library of Australia, Crossref, Google Scholar, CNKI Scholar https://gvpress.com/journal/IJHIT/index.php 2). Editor Șef, Advanced Engineering Forum, Scopus etc., Trans Tech Publications Inc., Elveția, Indexare: Inspec (IET, Institution of Engineering Technology), Chemical Abstracts Service (CAS), Google Scholar, Cambridge Scientific Abstracts (CSA), ProQuest, Ulrichsweb, EBSCOhost Research Databases, Index Copernicus Journals Master List, WorldCat (OCLC). https://www.scientific.net/AEF/Editors 3). Editor Șef, International Journal of Modern Manufacturing Technologies Indexare: Scopus, Index Copernicus Journals Master list, CNKI, Google Scholar, IET-Inspec http://www.ijmmt.ro 4). Editor Șef, International Journal of Manufacturing Economics and Management www.ijmem.ro 5). Editor Șef, Journal of protective coatings & linings, University of Alaska, SUA. https://paintsquare.com/jpcl/editorial-board/ 6). Editor, Journal of Mechanical Engineering and Automation (JMEA)- SUA, Indexare: American Federal Computer Library Center (OCLC), USA, Chinese Database of CEPS, CNKI, Google Scholar, CrossRef, World Cat, CQVIP, WanFang Data, Index of Copernicus https://www.davidpublisher.com/index.php/Home/Journal/detail?journalid=27&jx=jmea&cont=editorial 7). Editor, Journal of Military Technology, Romania https://jmiltechnol.mta.ro/#editorial_b	70
	3.3. Editor la revistă neinclusă BDI	5	Pt. o revistă	5 ani	-	
	3.4. Membru în colectivul editorial la revistă cotate ISI	5	Pt. o revistă	5 ani	-	
	3.5. Membru în colectivul editorial la revistă inclusă BDI	3	Pt. o revistă	5 ani	-	
	3.6. Membru în colectivul editorial la revistă neinclusă BDI	2	Pt. o revistă	5 ani	-	

3.7. Editor invitat la numere speciale ale revistelor ISI/BDI	10	Pt. o revistă	5 ani	1). Topical Advisory Panel, Polymers, Q1, din februarie 2022 https://www.mdpi.com/journal/polymers/topical_advisory_panel?page_no=18 2). Topic editor, Materials, jurnal ISI Zona Q2, factor de impact 3,057, Basel, Elveția, din octombrie 2020 https://www.mdpi.com/journal/materials/topical_advisory_panel?page_no=45 3). Guest editor, Special Issue Advances in Digital Manufacturing, Agathoklis Krimpenis, Angelor Markopoulos, Dumitru Nedelcu, Machines, IF 2,428, https://www.mdpi.com/journal/machines/special_issues/DigitalManufacturing 4). Guest editor, Special Issue, Advanced Materials and Polymers for Industrial and Biomedical Applications, Polymers, factor de impact 4,329-Q1, Bogdan Istrate, Corneliu Munteanu, Dumitru Nedelcu https://mdpi.com/journal/polymers/special_issues/Adv_Mater_Polym_Ind_Biomed_Appl 5). Materials, Special issue, Studies on Additive Manufacturing of Advanced Materials, Q2, factor de impact 3,057 Guest Editors: Dumitru Nedelcu, Eugen Axinte https://www.mdpi.com/journal/materials/special_issues/additive_manuf 6). Micromachines, special issue Microfabrication and Nanotechnology in Manufacturing Systems, guest editori Marcin Adamiak, Marek Placzek, Dumitru Nedelcu https://www.mdpi.com/journal/micromachines/special_issues/K4Q8QOXL51	60
4. Referent științific / reviewer					
4.1. Reviste cotate ISI	5	Per lucrare	5 ani	1). Metals, Energies, 2 lucrari dupa 1.10.2020 din cele 4 trecute in certificat 2). Materials, Metals, Energies, 5 lucrari dupa 1.10.2020 din cele 7 trecute in certificat pentru 2020-2021 3). Metals, Materials, Polymers, Energies, 8 lucrari dupa 1.10.2020 din cele 10 trecute in certificat	75
4.2. Reviste incluse în BDI	3	Per lucrare	5 ani	-	
4.3. Edituri consacrate	1	Per volum	5 ani	-	
5. Membru în comitetul de organizare al unor conferințe	5		5 ani	1). Conferinta Internationala ModTech https://www.modtech.ro	5
6. Membru în echipe de expertizare/evaluare a cercetării științifice-educative-calității	20	Pt. o comisie	5 ani	1). CNATDCU, Membru Comisia de Inginerie și Managementul Producției (C16), 2020-în prezent, https://www.cnatdcu.ro/paneluri-cnatdcu/	20

(ARACIS, CNATDCU, evaluare proiecte)						
7. Membru în academii						
7.1. Academia Română	50		Toata activ			
7.2. Academia de Științe Tehnice, Academia de Științe Agricole și Silvice, Academia Oamenilor de Știință	20		Toata activ	1). Academia de Științe Tehnice din România (ASTR), membru corespondent https://astr.ro/membri/membri-corespondenti-astr/ 2). Academia Oamenilor de Știință din România (AOSR), membru corespondent https://www.aosr.ro/membrii-sectiei-stiinte-tehnice/	40	
8. Activitate în asociații profesionale/științifice						
8.1. Conducere	10		Toata activ	1). Presedinte Asociația Profesională în Tehnologii Moderne de Fabricație, (ModTech), https://www.modtech.ro	10	
8.2. Membru	5		Toata activ	1). Membru Asociația generală a inginerilor din România (AGIR) http://www.iasi.agir.ro/membri.php 2). Membru American Association for Science and Technology (AASCIT), SUA 3). Membru Serbian Ceramic Society – Composite Materials Section 4). Membru IFToMM (International Federation for the Promotion of Mechanism and Machine Science) 5). Membru Manufacturing Engineering University Association (AUIF), Cluj-Napoca, Romania 6). Membru International Union of Machine Building-Ukraine 7). Membru, European Honors Council (EHC)	35	
9. Participare la programe Erasmus+						
9.1. Coordonare acord Erasmus+	5	Pt. un acord	5 ani	1). TUIASI – Universitatea Putra Malaysia 2). TUIASI-Universitatea din Monterrey, Mexic 3). TUIASI-Universitatea Sileziană de Tehnologie din Gliwice, Polonia	15	
9.2. Mobilitate Erasmus+	3	Pt. o mobilitate	5 ani	1). 26-30 mai 2025, EMT Systems Gliwice, Polonia 2). 14-18 octombrie 2024, Universitatea Tor Vergata din Roma, Italia 3). 15-19 iulie 2024, Universitatea Western Macedonia, Grecia 4). 23-30 noiembrie 2023, Universitatea Sileziană de Tehnologie din Gliwice, polonia	12	
10. Premii științifice (acordate pe lucrări)						
10.1. Academia Română	50		Toata activ			

	10.2. Academia de Științe Tehnice/Academia Oamenilor de Știință	30		Toata activ		
	11. Impactul activității de cercetare științifică	$40 \times H_j$ $H_j = 0,5 \times H_{WOS} + 0,3 \times H_{Scopus} + 0,2 H_{GS}$			$H_j = 0,5 \times 11 + 0,3 \times 13 + 0,2 \times 17 = 5,5 + 3,9 + 3,4 = 12,8$	512
	12. Doctor Honoris Causa	20		Toata activ	1). Universitatea de Stat din Bălți, Republica Moldova, 15 noiembrie 2024.	20
	TOTAL punctaj Criteriul III					1026
IV	Activitate cu studenții					
	1. Îndrumare studenți pentru elaborare de lucrări științifice susținute la manifestări (fără cercuri științifice)					
	1.1. Locale	5	Pt. o lucrare	5 ani	-	
	1.2. Naționale	10	Pt. o lucrare	5 ani	-	
	1.3. Internaționale	15	Pt. o lucrare	5 ani	-	
	2. Pregătire studenți pentru participare la concursuri profesionale					
	2.1. Faza locală	10	Per student	5 ani	-	
	2.2. Faza națională	15	Per student	5 ani	-	
	2.3. Faza internațională	20	Per student	5 ani	-	
	3. Organizare de activități/concursuri studentești în colaborare cu alte instituții	10	Pt. o activitate	5 ani		

	4. Organizare de vizite de studiu	10	Pt. o vizită	5 ani	-	
	5. Organizare de activități de voluntariat pentru studenți	10	Pt. o activitate	5 ani	-	
	6. Activitate de tutoriat/îndrumare an de studii/grupă	5	Pe grupă/an univ.	5 ani	-	
	7. Activități cu studenți Erasmus					
	7.1. Pregătire și îndrumare studenți outgoing	3	Per student	5 ani	-	
	7.2. Tutoriat/ activități cu studenți incoming (2-6 luni)	10	Per student	5 ani	1). Siti Iriaty, Universitatea Putra Malaysia, 16.09.2025-16.11.2025	10
	8. Conducere cercuri științifice studențești/membru în juriu	3/1	Pt. un cerc	5 ani	-	
	TOTAL punctaj Criteriul IV					10
V	Activitate în comunitatea academică					
	1. Atribuții de conducere la nivel de universitate/facultate					
	1.1. Rector	30	Pe an	5 ani		
	1.2. Prorector/Director CSUD	20	Pe an	5 ani		
	1.3. Decan/ Președinte comisie Senat	15	Pe an	5 ani		
	1.4. Prodecan/Director departament/ Director CSD	10	Pe an	5 ani		
	1.5. Director Centru de cercetare/ Director CCPD	5	Pe an	5 ani		
	1.6. Președinte Senat	30	Pe an	5 ani		

	1.7. Vice-președinte Senat	20	Pe an	5 ani		
	1.8. Membru Senat	5	Pe an	5 ani		
	1.9. Membru CSUD	5	Pe an	5 ani		
	1.10. Membru Consiliu Facultate	3	Pe an	5 ani		
	1.11. Membru Consiliu departament	2	Pe an	5 ani		
	1.12. Membru în comisii permanente la nivelul univ., inclusiv Comisii Senat	3	Pe an	5 ani		
	1.13. Membru în comisii permanente la nivelul facultății (practică, orar, cazare, admitere, gestionare pagina web, SEAC etc.)	2	Pe an	5 ani		
	1.14. Membru în comisii de evaluare internă a programelor de studii	5	Pe comisie	5 ani	1). Membru în comisia de evaluatori – evaluare internă pentru Ingineria mediului.	5
	2. Comisii finalizare studii – președinte/membru/secretar	10/5/3	Pe comisie/ an univ.	5 ani	1). Președinte comisia de ingineria sudării – februarie, iulie, septembrie 2021, februarie, iulie, septembrie 2022, februarie, iulie, septembrie 2023, februarie, iulie, septembrie 2024, februarie, iulie, septembrie 2025 (15x10=150) 2). Membru supleant comisia de disertație MPI - februarie 2021 (5) 3). Membru comisia de disertație MPI (iulie, septembrie 2021, februarie, iulie, septembrie 2022, februarie, iulie, septembrie 2023, februarie 2024. (9x5=45)	200
	3. Comisii de concurs pe posturi didactice – președinte/membru	5/3	Pe comisie	5 ani	1). Profesor universitar poz 4, Universitatea Vasile Alecsandri din Bacău, membru, decizie nr. 510/09.12.2024 2). Profesor universitar poz 2, Universitatea Vasile Alecsandri din Bacău, membru supleant, decizie nr. 510/09.12.2024 3). Profesor universitar poz 3, Universitatea Vasile Alecsandri din Bacău, membru comisia de contestații, decizie nr. 225/27.05.2024	45

					4). Conferențiar universitar poz 7, Universitatea Vasile Alecsandri din Bacău, membru supleant, decizie nr. 225/27.05.2024 5). Profesor universitar poz 3, Universitatea Vasile Alecsandri din Bacău, membru supleant, decizie nr. 510/09.12.2024 6). Conferențiar poz 14, Universitatea Dunarea de Jos din Galați, membru, decizia 5956 din 16.12.2024 7). Asist.univ. poz 21, Universitatea Tehnica Gheorghe Asachi din Iasi, membru, decizie 288 din 21.01.2022 8). Asist.univ. poz 22, Universitatea Tehnica Gheorghe Asachi din Iasi, membru, decizie 288 din 21.01.2022 9). Conferențiar universitar poz. 3, Universitatea Națională de Știință și Tehnologie Politehnica din București, membru, decizie nr. 126 din 30.05.2024 10). Profesor universitar poz.7, Universitatea Dunarea de Jos din Galați, membru, decizie nr. 5917 din 16.12.2024 11). Conferențiar universitar poz. 12, Universitatea Dunarea de Jos din Galați/Departamentul de Ingineria Fabricației, membru, decizie nr. 2012 / 30.06.2022 12). Conferențiar universitar, Departamentul de TCM, Universitatea Tehnica Gheorghe Asachi din Iasi, membru, Margareta Coteată. 13). Profesor universitar poz. 4, Universitatea Dunarea de Jos din Galați, membru, decizie nr. 9913 / 28.12.2023 14). Profesor universitar, Universitatea Tehnică a Moldovei, membru, decizie nr. 03.04.962 din 29.05.2025 15). Profesor universitar, Universitatea Tehnică a Moldovei, membru, decizie nr. 03.04.962 din 29.05.2025	
	4. Coordonare programe/domenii de studii					
	4.1. Responsabil program/domeniu de studii	10	Pe an univ.	5 ani	1). Master limba engleză, IMA (3x10=30)	30
	4.2. Elaborare documentație acreditare/evaluare periodică	50	Pt. o realizare	5 ani	1). Acreditare master IMA	50
	5. Organizare conferințe/simpozioane/ mese rotunde la nivelul univ./ facultății.	10/5	Pt. o acțiune	5 ani	-	

	6. Acțiuni de promovare a imaginii facultății și de colaborare cu mediul economic					
	6.1. Participare la acțiuni de promovare a imaginii facultății, inclusiv în licee	10	Pt. o acțiune	5 ani	<u>2021</u> 1). Liceul Tehnologic Haralamb Vasiliu din Podu Iloaie, nr. 4701 / 3.12.2021 <u>2022</u> 2). Liceul Teoretic Vasile Alecsandri din Săbăoani, nr. 3083 / 12.04.2022 3). Colegiul Național de Informatică, Piatra-Neamț, nr. 1538 / 12.04.2022 4). Colegiul Național Ștefan cel Mare din Tg. Neamț, nr/ 3046 / 12.04.2022 5). Liceul Teoretic Ion Neculce din Tg Frumos, nr. 343 / 17.02.2022 6). Liceul Tehnologic Petru Rares din Tg. Frumos, nr. 376 / 17.02.2022 <u>2023</u> 7). Liceul Tehnologic Haralamb Vasiliu din Podu Iloaie, nr. 1600 / 20.03.2023 8). Liceul Tehnologic Petru Rares din Tg. Frumos, nr. 602 / 20.03.2023 9). Liceul Teoretic Ion Neculce din Tg Frumos, nr. 936 / 20.03.2023 <u>2024</u> 10). Liceul Tehnologic Petru Rares din Tg. Frumos, nr. 279 / 22.03.2024 11). Liceul Tehnologic Haralamb Vasiliu din Podu Iloaie, nr. 1221 / 22.03.2024 <u>2025</u> 12). Liceul Tehnologic Petru Rares din Tg. Frumos, nr. 658 / 13.03.2025 13). Liceul Teoretic Ion Neculce din Tg Frumos, nr. 1498 / 13.03.2025 14). Liceul Tehnologic Haralamb Vasiliu din Podu Iloaie, nr. 1499 / 13.03.2025	140
	6.2. Inițiere și coordonare parteneriate cu mediul preuniversitar	10	Pt. o acțiune	5 ani		
	6.3. Inițiere și coordonare întâlniri tematice cu mediul economic	10	Pt. o acțiune	5 ani	-	
	TOTAL punctaj Criteriul V					470
VI	Punctaj acordat de către Directorul de departament	max. 50 pct.				50
	PUNCTAJ TOTAL Criteriile I - VI					3100,77

AUTOEVALUARE

referitoare la îndeplinirea standardelor minimale 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 minimale cu referire la punctaj

Nr.crt.	Domeniul de activitate	Conditii Profesor	Punctaj obtinut candidat
1	Activitatea didactică / profesională (A1)	Minim 130 puncte	646,72
2	Activitatea de cercetare (A2)	Minim 300 puncte	3225,07
3	Recunoașterea impactului activității (A3)	Minim 100 puncte	2888,36
	TOTAL (A1 + A2 + A3):	530 puncte	6760,15

2. FIȘA DE VERIFICARE privind îndeplinirea condițiilor minimale 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/manuale/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)	1). Harshit K. Dave, Sandip T. Patel, Dumitru Nedelcu, Mohd. Khairul Anuar Bin Mohd Ariffin, Keyur P. Desai, (2025), <i>Multi-Material Vat Photopolymerization 3D Printing: A Brief Review of Technology, Design, and Process</i>, Book title: Digital Product Design and Manufacturing, eds Gheorghe Oancea, Panagiotis Kyratsis, CRC Press (Taylor & Francis), 27 pages, Boca Raton, Florida, USA, https://doi.org/10.1201/9781003518198 (27/5x5=1,08) 2). Daniel Chiriță, Dumitru Nedelcu (corresponding author), (2021), <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, 221-251, https://doi.org/10.1007/978-3-030-69472-2, (30/5x2=3) 3). Dumitru Nedelcu, Andrei-Danut Mazurchevici, (2021), <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, Fused Deposition Modeling Based 3D Printing. Materials Forming, Machining and Tribology. Springer, Cham., Springer, https://doi.org/10.1007/978-3-030-68024-4_3, 43-61, (14/5x2=1,4) 4). Hargovind Soni, S. Narendranath, M.R. Ramesh, Dumitru Nedelcu, Madindwa Mashinin and Anil Kumar, (2021), <i>Development of $Ti_{50}Ni_{50-x}Co_x$ ($X=1$ 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, https://doi.org/10.1007/978-3-030-50312-3_4 (20/5x6=0,66) 5). A D Mazurchevici, R I Popa, C Carausu, S N Mazurchevici, D Nedelcu, (2021), <i>Influence of layer thickness, infill rate and orientation on thermal and structural loading of FDM parts</i>, Advances in Manufacturing Processes, Editors: Harshit Dave, Dumitru Nedelcu, Springer Nature Book Series, Singapore, Springer Nature Book Series, Singapore, ISSN 2195-4356, https://doi.org/10.1007/978-981-15-9117-4_263-282, (14/5x5=0,56) 6). Dumitru Nedelcu, 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 (8/5x3=0,53) 7). Nedelcu, D., 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 (261/5x2=26,1) 8). Lucio Martin Matarranz, Francisco Javier Santos Martin, Nedelcu Dumitru, <i>Some characteristics concerning the production management on small and medium enterprises (SME)</i>, 2010, online, www.worldcat.org (110/5x3=7,33) TOTAL: 40,66p
---	--	--	---	---------------------------	--------------------------	---

				1.1.1.2 naționale (edituri recunoscute CNCSIS); Profesor minim 2 prim autor; Conferențiar minim 1 prim autor	nr.pagini/(10*n r. autori)	1). Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2021), <i>Teoria Proceselor de Sudare</i>, Editura PIM Iasi, ISBN 978-606-13-6469-5 (277/10x2=13,85) 2). Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2021), <i>Aplicații ale Teoriei Proceselor de Sudare</i>, Editura PIM Iasi. ISBN 978-606-13-6476-3, (245/10x2=12,25) 3). Slatineanu, L., Bohosievici, C., Grănescu, T., Paraschiv, D., Muscă G., Dodun O., Nagiț Gh., Nedelcu D., Sover A., Tăbăcaru L., Cărașu C., Crețu Gh., Merticaru V., Coteață M., Boca M., Mihalache A., Rîpanu M., Mazurchevici S-N., Mîndru D., Boca M., Hrițuc A., Motaș O., (2021), <i>Aplicații în ingineria fabricației</i>, Editura PIM, Iasi, ISBN 978-606-13-6104-5, (417/10x22=1,89) 4). Octavian Lupescu, Ionut Ciprian Popa, Ramona Popa, Dumitru Nedelcu, (2011), <i>Metode, instrumente si strategii de mentenanta</i>, Editura ModTech, Iasi, ISBN 978-606-92474-3-3 (168/10x4=4,2) 5). Dumitru Nedelcu, Ioan Carcea, Gigel Neagu, Lucian Tabacaru, Cristian Predescu, Remus Zagan, (2009), <i>Tehnologii de obtinere a materialelor compozite</i>, Editura Politehniun, Iasi, ISBN 978-973-621-288-8 (252/10x6=4,2) 6). 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 Seghediu, Ion Bogdan, Dumitru Nedelcu, Delia Todorean, (2008), <i>Manualul procedurilor pentru evaluarea si asigurarea calitatii educatiei</i>, Editura Politehniun, Iasi, ISBN 978-973-621-179-9 (498/10x21=2,37) 7). Nedelcu, D., Gabriel Berbecaru (2007), <i>Managementul economico-financiar (Economic and Financial Management)</i>, Editura Politehniun, ISBN 978-973-621-170-6 (196/10x2=9,8) 8). Nedelcu, D., Pruteanu, O.V., <i>Managementul proiectelor</i>, Editura Politehniun, Iași, 2005, ISBN 973-621-123-1 (334/10x2=16,7) 9). Nedelcu, D., Muscă, G., Badea, C., Muse, E., Pugin, J., Nalooop, R., Cărașu, C., Merticaru, V., <i>Ghid practic pentru formatori-cursanți</i>, Editura Junimea, Iași, 2003, ISBN 973-37-0908-5 (760/10x8=9,5) 10). Gavril, M., Nedelcu, D., Sofronic, A., <i>Baze de date</i>, Casa de Editură Venus, Iași, 2002, ISBN 973-8174-90-2 (235/10x3=7,83) TOTAL: 82,59p
--	--	--	--	--	-------------------------------	--

		1.1.2 Carti ca editor	1.1.2.1 internationale	nr.pagini/(10*nr. editori)	1. Harshit Dave, Uday Shanker Dixit, Dumitru Nedelcu, Recent Advances in Manufacturing Processes and Systems, -Select Proceedings of RAM 2021, Springer Nature Singapore, ISBN 978-981-16-7786-1 ISBN 978-981-16-7787-8 (eBook), https://doi.org/10.1007/978-981-16-7787-8, (1029/10x3=34,3) 2. Advances in Manufacturing Processes, Editori Harshit Dave, Dumitru Nedelcu, Springer Nature, 2020, (821/10x2=41,05) 3. Research and Innovation in Advanced Engineering Materials, Editors: Makio Naito, Andrzej Baier, Andrzej Buchacz, Pavel Topala, Dumitru Nedelcu, ISBN 978-606-93704-5-2, Editura ModTech, 2019, (184/10x5=3,68) 4. Editor Advanced Materials Research, vol. 1036, 2014, TTP-Elvetia (1100/10x6=18,33) 5. Editor Advanced Materials Research, vol. 837, 2013, TTP-Elvetia (809/10x5=16,18) 6. Proceedings of the 16th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, vol. I, Editura ModTech, Iasi, 2012, (540/10x4=13,5) 7. Proceedings of the 16th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, vol. II, Editura ModTech, Iasi, 2012, (540/10x4=13,5) 8. Proceedings of the 15th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, vol. I, Editura ModTech, Iasi, 2011, (600/10x4=15) 9. Proceedings of the 15th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, vol. II, Editura ModTech, Iasi, 2011, (600/10x4=15) 10. Proceedings of the 14th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, Editura Politehniun, Iasi, 2010, (698/10x4=17,45) 11. Proceedings of the 13th International Conference ModTech-New Face of TMCR, Modern Technologies, Quality and Innovation, Editura Politehniun, Iasi, 2009, (718/10x3=23,93) TOTAL: 211,92p
			1.1.2.2 nationale	nr.pagini/(20*nr. editori)	
			1.2 Alte materiale didactice inclusiv in format electronic (pentru format electronic-echivalent format A4 text fara figure cu minimum 3200 caractere inclusiv spatii)	1.2.1 Suporturi de curs/indrumare Profesor: minimum 4, din care: -2 ca prim autor Conferentiar: Minimum 2, din care 1 prim autor	1. Nedelcu, D., Processing and manufacturing of composite materials, format electronic, curs, (125/20x1=6,25) 2. Nedelcu, D., Indrumar de proiectare a matrițelor de injectare, format electronic, indrumar proiect, (25/20x1=1,25) 3. Nedelcu, D., Cobzaru, P., Tehnologii de mecanică fină, Editura Junimea, Iași, 2005, ISBN 973-37-1026-1 (250/20x2=6,25) 4. Nedelcu, D., Tehnologii de mecanică fină, Editura Tehnica-Info, Chișinău 2001, ISBN 9975-63-091-X (466/20x1=23,3) 5. Nedelcu, D., Ciofu, C., Tehnologii de mecanică fină, Editura Politehniun, Iași, 2007, ISBN 978-973-621-169-0 (100/20x2=2,5) 6. Nedelcu, D., Tehnologii de mecanică fină, Editura "Gheorghe Asachi", Iași, 2002, ISBN 973-8292-56-5 (163/20x1=8,15) 7. Nedelcu, D., Tehnologii de mecanică fină, Editura "Gheorghe Asachi", Iași, 2002, ISBN 973-621-004-9 (220/20x1=11) 8. Pruteanu, O.V., Axinte, E., Nedelcu, D., Bazele tehnologiei construcțiilor de mașini, Rotaprint Iași, 1999 (171/20x3=2,85) TOTAL: 61,55p

		1.3 Coordonare de programe de studii, organizare si coordonare programe de formare continua	Director/ Responsabil/		15	Master, Managementul Proiectelor, Departamentul de Programe, 2004-2008 (15) Master, Intelligent Manufacturing and Automation, 2022-în prezent (15) TOTAL: 30p
		1.4 Dezvoltare de noi discipline (se puncteaza o singura data in cazul multiplicarii lor in programe de studii diferite)	Titular		10	Management economic-financiar, Master TAF (10) Management economico-financiar si elaborarea bugetelor, Master MTP (10) Tehnologii de fabricare si prelucrare a materialelor compozite, Master TAF (10) Managementul proiectelor de fabricatie industrială, Master MTP (10) Tehnologii speciale de deformare plastica, Master MTP (10) Managementul proiectelor nationale, Master Managementul Proiectelor, Dep. Programe (10) TOTAL: 60p
		1.5 Proiecte educationale (ERASMUS, Leonardo etc.)	Director/ Responsabil		10 * (ani desfasurare)	Erasmus+KA107, Universitatea din Monterrey, Mexic (semnat în 2019) (10x6=60) Erasmus+, RO_IASI05, Universitatea Politehnica Slaska, Gliwice, Polonia (semnat în 2019) (10x6=60) Erasmus+KA107, Universitatea Putra Malaysia, Kuala Lumpur, Malaysia (semnat în 2023) (10x2=20) Leonardo da Vinci, 2003-2005, Contract no. RO/01/B/F/PP141119 (10x2=20) TOTAL: 160p
		Total A1				646,72
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	De la ultima promovare. 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		Pentru reviste: (30 + 10 * fact. impact)/ (nr.de autori) Pentru volume conferinte 25/nr.de autori	Lucrari in jurnale cotate ISI TOTAL: 951,45p 1). Ciprian-Dumitru Ciofu, Petronela-Daniela Rusu (Ostahie), Marcin Adamiak, Oktawian Bialas, Catalin Tampu, Panagiotis Kyratsis, Anastasios Tzotzis, Simona-Nicoleta Mazurchevici, Alexandra Nedelcu, Zhengyi Jiang, Daniel Mindru, Dumitru Nedelcu , (2025), <i>Wettability, Tribology, Degradation, and Topography of Laser-Textured Surfaces of Biopolymers</i> , Micromachines 2025, 16, 1009, https://doi.org/10.3390/mi16091009 , [(30+10x3)/12=5] 2). Anastasios Tzotzis, Dumitru Nedelcu , Simona-Nicoleta Mazurchevici, Panagiotis Kyratsis, (2025), Investigating the machining behavior of the additively manufactured polymer-based composite using adaptive neuro-fuzzy learning, Appl. Sci., 15(1), 5373, https://doi.org/10.3390/app15105373 , [(30+10x2,5)/4=13,75] 3). Jingru Yan, Muyuan Zhou, Afshana Morshed, Hui Wu, Xiaojun Liang, Zhao Xing, Hongbin Li, Yongnian Zhu, Liang Zhao, Wuxiao Gao, Sihai Jiao, Nedelcu Dumitru , Panagiotis Kyratsis & Zhengyi Jiang, (2025), Study on wear performance of a novel high-carbon medium manganese bimetal composite using in mining facilities, International Journal of Advanced Manufacturing Technology, 137, 5015–5026, https://doi.org/10.1007/s00170-025-15445-7 , Springer, [(30+10x3,1)/14=4,35]

		Minim 5 articole pentru Conferentiar / CS II din care 1 in revista			4). Petronela-Daniela Rusu (Ostahie), Oktawian Bialas, Anna Wozniak, Marcin Adamiak, Augustine Appiah, Catalin Tampu, Simona-Nicoleta Mazurchevici, Panagiotis Kyratsis, Anastasios Tzotzis, Alexandra Nedelcu, Teodor-Daniel Mindru, Dumitru Nedelcu, (2025), <i>Characterization of Laser-Textured Surfaces of Parts of a Biodegradable Polymer</i>, Coatings, 15, 246, https://doi.org/10.3390/coatings15020246, [(30+10x2,8)/12=4,83] 5). Mihaela Feraru (Ilie), Simona-Nicoleta Mazurchevici, Nicoleta-Monica Lohan, Marcelin Benchea, Fabian Cezar Lupu, Dumitru Nedelcu, (2025), Tribological and Structural Properties of Copper-Coated 3D-Printed Parts from Biodegradable Polymers, Micromachines, 16(1), 100; https://doi.org/10.3390/mi16010100, [(30+10x3)/6=10] 6). Mihaela Feraru (Ilie), Simona-Nicoleta Mazurchevici, Bogdan Pricop, Denise Bellisario, Ciprian Dumitru Ciofu, Dumitru Nedelcu (2025), Surface Quality of Cu-coated Printed Samples, Macromolecular Symposia, 414(3), https://doi.org/10.1002/masy.70048, [(30+10x0,913)/6=6,52] 7). Petronela-Daniela Rusu (Ostahie), Simona-Nicoleta Mazurchevici, Catalin Tampu, Constantin Carausu, Ciprian Dumitru Ciofu, Dumitru Nedelcu (2025), Laser Surface Texturing of Biodegradable Polymers, 414(3), https://doi.org/10.1002/masy.70053, [(30+10x0,913)/6=6,52] 8). Simona-Nicoleta Mazurchevici, Alina Marguta and Dumitru Nedelcu, (2024), Characteristics of biodegradable polymers when subjected to ceramic coatings, Mechanics & Industry, 25, Advanced Approaches in Manufacturing Engineering and Technologies Design, article number 30, DOI: https://doi.org/10.1051/meca/2024025, [(30+10x1,2)/3=14] 9). A Tzotzis, D Nedelcu, SN Mazurchevici, P Kyratsis, (2024), Surface Quality Evaluation of 3D-Printed Carbon-Fiber-Reinforced PETG Polymer During Turning: Experimental Analysis, ANN Modeling and Optimization, Polymers 16 (20), 2927, https://doi.org/10.3390/polym16202927, [(30+10x4,9)/4=19,75] 10). Costel Catalin Coman, Simona-Nicoleta Mazurchevici, Nicanor Cimpoeșu, Constantin Carausu, Valentin Stefan Oleksik, Dumitru Nedelcu, (2024), Improved surface quality with TiN-coated tool, Macromolecular Symposia, 413(3), article number 2300203, DOI 10.1002/masy.202300203, [(30+10x0,913)/6=6,52] 11). Coman Costel Catalin, Mazurchevici Simona-Nicoleta, Carausu Constantin, Nedelcu Dumitru, (2023), Analysis of Incremental Sheet Forming of Aluminum Alloy, Materials, 16(19), article number 6371, DOI 10.3390/ma16196371, [(30+10x3,2)/4=15,5] 12). Simona-Nicoleta Mazurchevici, Oktawian Bialas, Teodor Daniel Mindru, Marcin Adamiak, Dumitru Nedelcu, (2023). <i>Characterization of Arboblend V2 Nature Textured Surfaces obtained by Injection Molding</i>, Polymers, 2023, 15(2), 406, 1-17, https://doi.org/10.3390/polym15020406, [(30+10x4,9)/5=15,8] 13). Justina Georgiana MOTAS, Simona Nicoleta MAZURCHEVICI, Dumitru NEDELCU, (2022), <i>Mechanical characteristics of arboblend v2 nature coated with silver nanoparticles</i>, Acta Technica Napocensis Series: Applied Mathematics, Mechanics and Engineering, Vol 65, No 4S, 1255-1262, [(30+10x0,2)/3=10,66] 14). Daniel Mărguță, Eugen Hergheliegiu, Cătălin Tâmpu, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu (autor corespondent), (2022), <i>Structural and morphological characterization of biopolymeric samples through AWJ machining</i>, Macromolecular Symposia, 404, 1, article number 2100280, DOI: 10.1002/masy.202100280, [(30+10x0,913)/5=7,82] 15). Simona-Nicoleta Mazurchevici, Alina Marguta, Bogdan Istrate,
--	--	--	--	--	---

					Marcelin Benchea, Mihai Boca, Dumitru Nedelcu (autor corespondent), <i>Improvements of Arboblend V2 Nature characteristics through depositing thin ceramic layers</i>, Polymers 2021, 13(21), 3765, https://doi.org/10.3390/polym13213765, [(30+10x4,9)/6=13,16] 16). Simona-Nicoleta Mazurchevici, Dorin Vaideanu, Doreen Rapp, Cristian-Dracos Varganici, Constantin Carausu, Mihai Boca, Dumitru Nedelcu (autor corespondent), (2021), <i>Dynamic mechanical analysis and thermal expansion of lignin-based biopolymers</i>, Polymers, 13, 2953, https://doi.org/10.3390/polym13172953, [(30+10x4,9)/7=11,28] 17). Simona-Nicoleta Mazurchevici, Justina Georgiana Motas, Mariana Diaconu, Gabriela Lisa, Nicoleta Monica Lohan, Mihai Glod, Dumitru Nedelcu (autor corespondent), <i>Nanocomposite Biopolymer Arboblend V2 Nature AgNPs</i>, Polymers 2021, 13, 2932, https://doi.org/10.3390/polym13172932, [(30+10x4,9)/7=11,28] 18). Justina G Motas, Nima E. Gorji, Dumitru Nedelcu, Dermot Brabazon, Quadrini Fabrizio, (2021), <i>XPS, SEM, DSC and nanindentation Characterization of Silver Nano-Coated Biopolymer Pellets</i>, Appl. Sci. 2021, 11(16), 7706; https://doi.org/10.3390/app11167706, [(30+10x2,5)/5=11] 19). Kumar, S; Park, HS; Nedelcu, D., (2021), <i>Development of Real-time Grinding Process Monitoring and Analysis System</i>, International Journal of Precision Engineering and Manufacturing, 22, 1345-1355, DOI: 10.1007/s12541-021-00539-5, [(30+10x3,6)/3=22] 20). Harshit K. Dave; Brijesh H. Patel; Shilpesh R. Rajpurohit; Ashish R. Prajapati; Dumitru Nedelcu, (2021). <i>Effect of Multi-Infill Patterns on Tensile Behaviour of FDM Printed Parts</i>, Journal of the Brazilian Society of Mechanical Sciences and Engineering (BMSE), 43(1), article number 23, [(30+10x2,1)/5=10,2] 21). Mazurchevici Simona-Nicoleta, Carausu Constantin, Popa Ramona-Iuliana, Ciofu Ciprian, Paunoiu Viorel, Baroiu Nicusor, Nedelcu Dumitru, (2021), <i>Structural analyses of biodegradable printed samples</i>, Macromolecular Symposia, 396(1), Special issue-Progress on polymers and composites products and manufacturing technologies, ISSN 1521-3900, DOI: https://doi.org/10.1002/masy.202000308, [(30+10x0,913)/7=5,59] 22). Nicușor BAROIU, Georgiana-Alexandra COSTIN, Virgil Gabriel TEODOR, Dumitru NEDELUCU, Valentin TĂBĂCARU, (2020), <i>Prediction of surface roughness in drilling of polymers using a geometrical model and artificial neural networks</i>, Materiale Plastice, manuscript accepted, vol. 57(3), ISSN 2668-8220, https://doi.org/10.37358/MP.57.20.3, [(30+10x0,7)/5=7,4] 23). 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] 24). 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+10x3,2)/3=20,66] 25). Esteban Broitman, Dumitru Nedelcu, Simona Nicoleta Mazurchevici, (2020), <i>Tribological and Nanomechanical Properties of a Lignin-based Biopolymer</i>, e-Polymers, 20, 1-14, https://doi.org/10.1515/epoly-2020-0055, [(30+10x3,3)/4=15,75] 26). 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+10x0,7)/7=5,28]
--	--	--	--	--	---

					27). Andrei Mazurchevici, Dumitru Nedelcu, Ramona Popa, (2020), Additive Manufacturing of Composite Materials by FDM Technology: A Review, Indian Journal of Engineering & Materials Sciences, 27(2), 179-192, [(30+10x0,6)/3=12] 28). Dumitru Nedelcu, Simona Mazurchevici, Corneliu Munteanu, Alina Marguta, Bogdan Istrate, (2019), <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+10x2,2)/5=10,4] 29). 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+10x3)/5=12] 30). 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+10x2,2)/3=17,33] 31). 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, 84-89, [(30+10x14,2)/4=43] 32). Dumitru Nedelcu, Loredana Santo, Antonio Gabriel Santos, Plavanescu Simona, (2015), <i>Mechanical Behaviour Evaluation of Arboform Material Samples by Bending Deflection Test</i>, Materiale Plastice, 52(4), pp. 423-426, [(30+10x0,7)/4=9,25] 33). Radu Comănesci, Luchian Zaharia, Dumitru Nedelcu (2015), <i>Combining circular-to-rectangular direct extrusion and equal channel angular pressing: analysis and simulation</i>, IJEMS, Vol. 22, pp. 527-533, [(30+10x0,6)/3=12] 34). Viorel Paunoiu, Mamane Abdou Saadatou, Dumitru Nedelcu, Mircea Octavian, (2015), <i>Experimental and numerical investigations of sheet metal circular bending</i>, IJEMS, Vol. 22, pp. 487-496, [(30+10x0,6)/4=9] 35). Dumitru Nedelcu, Simona Plavanescu (Mazurchevici), Viorel Paunoiu (2015), <i>Study of Microstructure and Mechanical Properties of Injection Molded Arboform Parts</i>, IJEMS, Vol. 22, pp. 534-540, [(30+10x0,6)/3=12] 36). Dumitru Nedelcu, Radu Comaneci, (2014), <i>Microstructure, Mechanical Properties and Technology of Samples obtained by Injection from Arboblend</i>, Special Issue on Evolution of Engineering, Technologies and Materials, Indian Journal of Engineering & Materials Sciences, Vol. 21, June 2014, pp. 272-276, [(30+10x0,6)/2=18] 37). Teodor Daniel Mindru, Dumitru Nedelcu, (corresponding author), (2014), <i>Study of microindentation and diffrential scanning calorimetry of reinforced polyamide</i>, Special Issue on Evolution of Engineering, Technologies and Materials, Indian Journal of Engineering & Materials Sciences, Vol. 21, June 2014, pp. 333-340, [(30+10x0,6)/2=18] 38). Dumitru Nedelcu, Ciprian Ciofu, Nicoleta Monica Lohan, (2013), <i>Microindentation and Differential Scanning Calorimetry of “Liquid Wood”</i>, Composites Part B: Engineering, doi: 10.1016/j.compositesb.2013.05.024 , vol. 55, pp. 11-15, [(30+10x14,2)/3=57,33] 39). Dumitru Nedelcu, (2013), <i>Investigation on microstructure and mechanical properties of samples obtained by injection from Arbofill</i>, Composites Part B: Engineering, Volume 47, April 2013, pp. 126–129, doi: 10.1016/j.compositesb.2012.11.023, [(30+10x14,2)/1=172]
--	--	--	--	--	---

					40). Dumitru Nedelcu, Ioan Carcea, (2013), <i>Technology for Obtaining Samples of Layered Composite Material with Metallic Matrix</i>, Metals and Materials International, Vol. 19, No. 1, pp. 105~112, doi: 10.1007/s12540-013-1017-2, [(30+10x4)/2=35] 41). Ioan Carcea, Dumitru Nedelcu (corresponding author), (2012), <i>Technology for obtaining composite material with metallic matrix and Si-C particles</i>, 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+10x4,7)/2=38,5] 42). Dumitru Nedelcu, I. Carcea, L. Tabacaru, C. Ciofu, (2011), <i>Some aspects of processing and properties of composite material with Si-C particles</i>, Acta Physica Polonica A, 120 (2), ISSN 0587-4246, pp. 344-348, [(30+10x0,5)/4=8,75] 43). Dumitru Nedelcu, Daniel Mindru, Catalin Fetecau, Viorel Cohal, Gheorghe Cretu, (2010), <i>Some aspects regarding the simulation of two-component injection process</i>, Materiale Plastice, 47(2), ISSN 0025-5289, pp. 225-230, [(30+10x0,7)/5=7,4] 44). Dumitru Nedelcu, Fetecau Catalin, Ciofu Ciprian, Mindru Daniel, (2009), <i>Aspects regarding the use of FEM for calculus performing at the injection moulding of a high accuracy part</i>, Materiale Plastice, 46(3), pp. 269-273, ISSN 0025-5289, [(30+10x0,7)/4=9,25] 45). Dumitru Nedelcu (corresponding author), Romeo Chelariu, Lucian Tabacaru, (2009), <i>Some considerations about the analyzing of traction break surface of reinforcement composite material with Si-C particles</i>, Metalurgia International, 11, pp. 69-72, ISSN 1582-2214, [(30+10x0,14799)/3=10,49] 46). Ion Postolache, Catalin Fetecau, Felicia Stan, Dumitru Nedelcu, 2009, <i>Study of the polymer flow through tubular runner</i>, Materiale Plastice, 46(4), pp. 458-461, ISSN 0025-5289, [(30+10x0,7)/4=9,25] 47). Dumitru Nedelcu (corresponding author), Lucian Tabacaru, Petru Dusa, Ioan Carcea, Viorel Cohal, 2009, <i>Experimental researches regarding the samples from composite material with particles reinforcement</i>, Metalurgia International, 11, pp. 65-69, ISSN 1582-2214, [(30+10x0,14799)/5=6,29] Lucrari in ISI Proceedings TOTAL: 361,17p 1. D. Mărguță, E Herghelegiu, C Tampu, S-N Mazurchevici, D. Nedelcu (autor corespondent), Behavior of Arboblend V2 Nature under AWJ machining, IOP Conf.Series: Materials Science and Engineering, 1182 (2021) 012044, doi: 10.1088/1757-899X/1182/1/012044 (25/5=5) 2. Alina Marguta, Simona-Nicoleta Mazurchevici, Constantin Carausu, Dumitru Nedelcu, Biodegradable polymer properties through ceramic coatings, MATEC Web of Conferences, 368, 01017 (2022), https://doi.org/10.1051/mateconf/202236801017 (25/4=6,25) 3. A-D Mazurchevici, R Popa, C Carausu, R Comaneci, S-N Mazurchevici, D Nedelcu, (2020), Basic mechanical analysis of biodegradable materials, NewTech2020 International Conference, IOP Conference Series: Materials Science and Engineering, lucrare acceptată, VOL. 968, 012010, https://doi.org/10.1088/1757-899X/968/1/012010 (25/6=4,16) 4. C Carausu, S-N Mazurchevici, A-D Mazurchevici, L Andrusca, R Comaneci, D Nedelcu, (2020), Mechanical Characterization of Additive Manufactured Samples from Biodegradable Materials, Proceedings of ModTech2020 International Conference, IOP Conference Series:
--	--	--	--	--	---

					Materials Science and Engineering, 916, 012016, doi:10.1088/1757-899X/916/1/012016 (25/6=4,16) 5. Justina Georgiana Motas, Fabrizio Quadrini, Dumitru Nedelcu, (2020), <i>Silver Nano-Coating of Liquid Wood for Nanocomposite Manufacturing</i>, Elsevier, Procedia Manufacturing, 47, 974-979, (25/3=8,33) 6. Motas J.G., Nedelcu D., (2019), <i>Challenges with developing antimicrobial bio-materials by combining liquid wood and silver nanoparticles</i>, EHB 2019 Conference Proceeding, Article number 8970018, DOI: 10.1109/EHB47216.2019.8970018, (25/2=12,5) 7. I V Manoj, R Joy, S Narendranath and D Nedelcu, <i>Investigation of machining parameters on corner accuracies for slant type taper triangle shaped profiles using WEDM on Hastelloy X</i>, ModTech2019 International Conference, June 19-22, Iasi, Romania, IOP Conf. Series: Materials Science and Engineering 591 (2019) 012022, doi: https://doi.org/10.1088/1757-899X/591/1/012022, (25/4=6,25) 8. T Chereches, P Lixandru, D Dragnea, D Nedelcu and D-M Chereches, <i>The numerical simulation of the heterostructures behaviour from dielectric materials and superhard at launch in space</i>, ModTech2018 International Conference, June 13-16, Constanta, Romania, IOP Conf. Series: Materials Science and Engineering 400 (2018) 042009 doi:10.1088/1757-899X/400/4/042009, (25/5=5) 9. Radu Ioachim Comăneci, Dumitru Nedelcu, and Leandru Gheorghe Bujoreanu, <i>Influence of tools geometry and processing conditions on behavior of a difficult-to-work Al-Mg alloy during equal channel angular pressing</i>, AIP Conference Proceedings 1896, 200004 (2017); doi: 10.1063/1.5008241, ESAFORM2017, April 26-28, Dublin, Ireland, (25/3=8,33) 10. Simona Plavanescu (Mazurchevici), Constantin Carausu, Radu Comaneci and Dumitru Nedelcu, <i>The influence of technological parameters on the dynamic behavior of "liquid wood" samples obtained by injection molding</i>, AIP Conference Proceedings 1896, 030038 (2017); doi: 10.1063/1.5008025, ESAFORM2017, April 26-28, Dublin, Ireland, (25/4=6,25) 11. João Fradinho, Dumitru Nedelcu, António Gabriel-Santos, António Gonçalves-Coelho, António Mourão, <i>Some Trends and Proposals for the Inclusion of Sustainability in the Design of Manufacturing Process</i>, ModTech2015, June 17-20, Mamaia, Romania, IOP Conf. Series: Materials Science and Engineering 95 (2015) 012142, doi:10.1088/1757-899X/95/1/012142, pp. 1-6 (25/5=5) 12. R Comăneci, L Zaharia, D Nedelcu, L G Bujoreanu, <i>Processing of cylindrical hollow parts: piercing vs. extrusion</i>, ModTech2015, June 17-20, Mamaia, Romania, IOP Conf. Series: Materials Science and Engineering 95 (2015) 012142, doi:10.1088/1757-899X/95/1/012032, pp. 1-7 (25/4=6,25) 13. Carausu Constantin, Simona Plavanescu, Dumitru Nedelcu, <i>Impact Comparative Study of Phone Carcasses Behavior by FEM</i>, PCM2015, May 16-19, Beijing, China, IOP Conf. Series: Materials Science and Engineering 87 (2015) 012100 doi:10.1088/1757-899X/87/1/012100, pp. 1-7 (25/3=8,33) 14. Octavian Pruteanu, Constantin Carausu, <i>Dumitru Nedelcu</i> (2015), <i>Roughness of the Revolution Surfaces Processes by Honing</i>, Applied Mechanics and Materials, Vol. 760, pp. 483-488, (25/3=8,33) 15. Dumitru Nedelcu, Sabina Zagan, Negreanu Pirjol Ticuta, Zagan Remus, Constantin Carausu <i>The Effect of Ultraviolet Light on the "Liquid Wood"</i>, IOP Conf. Ser.: Mater. Sci. Eng. 62 012021 doi:10.1088/1757-899X/62/1/012021 (25/5=5)
--	--	--	--	--	---

					16. Dumitru Nedelcu, Constantin Carausu, Ciprian Ciofu, (2014), <i>Technology, Microstructure and Mechanical Properties of Samples Obtained by Injection from Arboform L, V3 Nature Reinforced with Aramid Fibers</i>, Proceedings of ASME 2014 Manufacturing Science and Engineering Conference (MSEC2014), June 9-13, Detroit, USA, pp. 1-5 (25/3=8,33) 17. Simona Plavanescu, Dumitru Nedelcu, Monica Nicoleta Lohan, (2014), <i>Consideration on the micro-indentation and differential scanning calorimetry of arboform reinforced with aramid fibres</i>, ModTech2013, Advanced Materials Research, Vol. 837, pp. 718-723, doi: 10.4028/www.scientific.net/AMR.837.718 (25/3=8,33) 18. Dumitru Nedelcu, Ciprian Ciofu, Gheorghe Cretu, (2012), <i>Economic Efficiency Analysis of Investments in Machine Manufacturing Industry</i>, Proceedings of 16th International Conference ModTech2012- ISI Proceedings, Sinaia, Romania, pp. 661-665, ISSN 2069-6736, (25/3=8,33) 19. Cristinel Badea, Dumitru Nedelcu (2011), <i>The management of e-learning platform for higher education</i>, Proceedings of MSE International Conference 2011-ISI Proceedings, Volume II, pp. 77-81, ISSN 1843-2522, (25/2=12,5) 20. Petru Dusa, Dumitru Nedelcu, Irina Adriana Vieriu, Ciprian Ciofu, <i>Identification of the optimal configuration for influencing factors in automated milling process</i>, Proceedings of ModTech2011, Vol. I, pp. 381-384, (25/4=6,25) 21. Daniel Mindru, Ciprian Ciofu, Dumitru Nedelcu, <i>The simulation of mono-component injection process to obtain parts with one or more gate location</i>, Proceedings of ModTech2011, Vol. I, pp. 685-688, (25/3=8,33) 22. Cristinel Badea, Dumitru Nedelcu (corresponding author), <i>The management of e-learning platform for higher education</i>, Proceedings of MSE International Conference 2011-ISI Proceedings, Volume II, pp. 77-81, ISSN 1843-2522, (25/2=12,5) 23. Dumitru Nedelcu, Olivera Milosevic, Romeu Chelariu, Costel Roman & Dan Cretu (2010), <i>Overview of stratified composite materials with metallic matrix</i> Proceedings of 14th International Conference ModTech2010, Slanic-Moldova, Romania, pp. 423-427, ISSN 2066-3919. (25/5=5) 24. Teodor Daniel Mindru, Ciprian Dumitru Ciofu, Dumitru Nedelcu (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, (25/3=8,33) 25. Mindru, Teodor Daniel, Filip, Iulian, Nedelcu, Dumitru. (2010), <i>CAE system importance in cutting tools</i>, Proceedings of the 14th International Conference on Modern Technologies, Quality and Innovation ModTech 2010, May 20-22, 2010 Slanic-Moldova ROMANIA, ISSN 2066-3919, pp. 395-399 (25/4=6,25) 26. Nedelcu, D; Milosevic, O; Chelariu, R, (2010), <i>Overview of stratified composite materials with metallic matrix</i>, Proceedings of the 14th International Conference on Modern Technologies, Quality and Innovation, ModTech 2010, May 20-22, 2010 Slanic-Moldova ROMANIA, ISSN 2066-3919, pp. 423-427. (25/3=8,33) 27. Badea, C; Zagan, R; Tabacaru, L, Nedelcu, D., <i>Experimental research concerning the elimination of microbiological agents in water purification processes with UV radiation</i>,
--	--	--	--	--	---

					14th International Conference on Modern Technologies, Quality and Innovation (ModTech 2010), MAY 20-22, 2010 Slanic-Moldova ROMANIA, ISSN 2066-3919, pp. 63-67 (25/4=6,25) 28. Tabacaru, L; Nedelcu, D; Pruteanu, O, <i>The influence of working parameters on precision in processing by short, interior, circular vibro-honing, processing of pieces made of cast iron 250</i>, 14th International Conference on Modern Technologies, Quality and Innovation (ModTech 2010), MAY 20-22, 2010 Slanic-Moldova ROMANIA, ISSN 2066-3919, pp. 599-603 (25/3=8,33) 29. Dumitru Nedelcu, Thomas Stöhr, Ciprian Ciofu & Daniel Mindru, (2009), <i>Some aspects concerning the physical models obtained using high performance composite material</i>, Proceedings of the 13th International Conference on Modern Technologies, Quality and Innovation, ModTech2009, pp. 455-459, ISSN 2066-3919. (25/4=6,25) 30. Cristinel Badea, Dumitru Nedelcu, Irina Volf, <i>Elimination techniques of microbiological agents in water purification processes with UV radiation</i>, Proceedings of ModTech2009 International Conference, pp. 31-35, ISSN 2066-3919. (25/3=8,33) 31. Ciprian Ciofu, Dumitru Nedelcu & Tataru Mihai, <i>Some aspects concerning the physical models obtained using high speed machining</i>, Proceedings of ModTech2009 International Conference, pp. 159-163, ISSN 2066-3919. (25/3=8,33) 32. Lucian Tabacaru, Florinel Munteanu, Dumitru Nedelcu & Octavian Pruteanu, <i>The influence of working parameters on precision in processing of short, interior, circular honing, process of pieces made of cast Iron 250 (SR ISO 185 – 94)</i>, Proceedings of ModTech2009 International Conference, pp. 627-631, ISSN 2066-3919. (25/4=6,25) 33. Ciobanu, R.M., Nedelcu, D., Condurache, G.,(2008), <i>Continuing education in project management-a requirement from romanian higher education</i>, Proceedings of the 5th International Seminar on the Quality Management in Higher Education-ISI Proceedings, 12-14 June 2008, Tulcea-Romania, pp.167-172, ISBN 978-973-730-496-4. (25/3=8,33) 34. Carausu Constantin, Pruteanu Octavian, Sarbu Ionel, Nedelcu Dumitru, Pricope Cornel, <i>The influence of technological factors upon the accuracy and quality of the cold plastic deformation revolution surfaces</i> The 19th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, 2008, Trnava-Slovakia, Annals of DAAAM and Proceedings Index to Scientific & Technical Proceedings of Thomson Scientific, pp. 201-203, ISSN 1726-9679 (25/5=5) 35. Carausu Constantin, Sarbu Ionel, Pruteanu Octavian, Gramescu Traian, Nedelcu Dumitru, Husanu Valerica, <i>Residual tensions in cold plastic deformed surfaces</i>, The 19th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, 2008, Trnava-Slovakia, Annals of DAAAM and Proceedings Index to Scientific & Technical Proceedings of Thomson Scientific, pp. 203-205, ISSN 1726-9679 (25/6=4,16) 36. Ghenghea Dan, Nedelcu Dumitru, Dodun Oana, <i>Measurement of the gases volume diffused from solidified materials</i>, The 19th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, 2008, Trnava-Slovakia, Annals of DAAAM and Proceedings Index to Scientific & Technical Proceedings of Thomson Scientific, pp. 535-537, ISSN 1726-9679 (25/3=8,33) 37. Ciofu, Ciprian; Carausu Constantin, Nedelcu Dumitru, Filip Iulian, <i>NC grinding machine-implementation onto classic machine</i>, The 19th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, 2008, Trnava-
--	--	--	--	--	--

					Slovakia, Annals of DAAAM and Proceedings Index to Scientific & Technical Proceedings of Thomson Scientific, pp. 261-263, ISSN 1726-9679 (25/4=6,25) 38. CRETU, Gheorghe; NEDELICU, Dumitru & CRETU, Dan, <i>The influence of the geometric parameters and cutting conditions on the theoretic deviations of worms by whirling thread device</i> The 19th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, 2008, Trnava-Slovakia, Annals of DAAAM and Proceedings Index to Scientific & Technical Proceedings of Thomson Scientific, pp. 323-325, ISSN 1726-9679 (25/3=8,33) 39. TABACARU, Lucian & NEDELICU, Dumitru, <i>The influence of working parameters on precision in processing by circular vibro-honing, processing of pieces made of cast IRON 200</i>, The 19th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, 2008, Trnava-Slovakia, Annals of DAAAM and Proceedings Index to Scientific & Technical Proceedings of Thomson Scientific, pp. 1341-1343, ISSN 1726-9679 (25/2=12,5) 40. Nedelcu Dumitru; Tabacaru Lucian; Ciobanu Romeo-Mihai; & Cretu, Gheorghe, (2008), <i>Some aspects concerning the measuring of forces for deformation different profiles of composite materials</i> Proceedings of the 19th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, Trnava-Slovakia, pp. 961-963, ISSN 1726-9679. (25/4=6,25) 41. Nedelcu, Dumitru; Carcea, Ioan; & Ghenghea, Laurentiu (2008), <i>Some aspects of technologies for obtaining the samples from composite material with layers and particles reinforcement</i> Proceedings of the 19th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, Trnava-Slovakia, pp. 959-961, ISSN 1726-9679. (25/3=8,33) 42. Dumitru Nedelcu & Petru Cobzaru (2007), <i>Some aspects concerning the mould design for samples obtained from composite aluminum-carbon fibers</i>, Proceedings of the 18th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, 2007-ISI Proceedings, Croatia-Zadar, pp. 497-499, ISSN 1726-9679. (25/2=12,5) 43. Ciobanu, R.M.; Nedelcu, D. Organizational reengineering - an approach of change for the Romanian companies, Annals of DAAAM for 2007 & Proceedings of the 18th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility, and Ethics of Engineers", pp. 147-8, 2007 (25/2=12,5) 44. Ciobanu, R.M., Nedelcu, D., Best Chance-an Educational System oriented toward the development of business competencies, The 18th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, 2007, Croatia-Zadar, Annals of DAAAM and Proceedings Index to Scientific & Technical Proceedings of Thomson Scientific p. 147-148, ISSN 1726-9679 (25/2=12,5) 45. Ciofu, C.D., Nedelcu, D., Pruteanu, O.V., <i>Shafts Measuring and Analysing Sound Produced by a Splined Shaft Hob With changeable teeth during milling process of grooves</i>, The 18th International DAAAM Symposium, Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, 2007, Croatia-Zadar, Annals of DAAAM and Proceedings Index to Scientific & Technical Proceedings of Thomson Scientific p. 151-152 (25/3=8,33) 46. Dumitru Nedelcu & Petru Cobzaru <i>Some aspects concerning the mould design for samples obtained from composite aluminum-carbon fibers</i>, The 18th International DAAAM Symposium,
--	--	--	--	--	--

					Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility and Ethics, 2007, Croatia-Zadar, Annals of DAAAM and Proceedings Index to Scientific & Technical Proceedings of Thomson Scientific p. 497-499, ISSN 1726-9679 (25/2=12,5)
		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	TOTAL: 164,32p 1. Panait Paula Gabriela; Chircor Mihael; Nedelcu Dumitru; Zagan Remus; Ene Iulian, (2024), Implementation and Evaluation of the Bearing Monitoring System in the Wind Sector using Vibration Sensors in the Context of Maintenance Engineering, Advanced Topics on Measurement and Simulation (ATOMS), 441-444, DOI: 10.1109/ATOMS60779.2024.10921526, (15/5=3) 2. Feraru Mihaela (Ilie), Simona - Nicoleta Mazurchevici, Teodor - Daniel Mîndru, Constantin Carausu, Dumitru Nedelcu (2025), Copper coatings of polymer matrix composites. A review, Journal of Engineering Sciences and Innovation, 10(1), 55-92 (15/5=3) 3. Simona-Nicoleta Mazurchevici, Oktawian Bialas, Anna Wozniak, Marcelin Benchea, Petronela Rusu (Ostahie), Ciprian Ciofu, Daniel- Teodor Mindru (autor correspondent), Marcin Adamiak, Dumitru Nedelcu, <i>Advances of laser surface texturing on the polyamide parts</i>, Int J of Modern Manufact Technologies; XVI, No.3, 2024, pp 173-181, https://doi.org/10.54684/ijmmt.2024.16.3.173 (15/9=1,66) 4. Simona-Nicoleta Mazurchevici, Oktawian Bialas, Anna Wozniak, Marcelin Benchea, Petronela Rusu (Ostahie), Ciprian Ciofu (autor correspondent), Constantin Carausu, Marcin Adamiak, Dumitru Nedelcu, <i>Modifying surface characteristics of Polyamide 6.6 by using LST technique</i>, Int J of Modern Manufact Technologies; XVI, No.2, 2024, pp 113-120, https://doi.org/10.54684/ijmmt.2024.16.2.113 (15/9=1,66) 5. Mihaela Feraru (Ilie), Simona-Nicoleta Mazurchevici (autor correspondent), Marcelin Benchea, Daniela-Lucia Chicet, Teodor - Daniel Mindru, Dumitru Nedelcu, <i>Enhanced surface characteristics of cooper coated 3D printed parts</i>, Int J of Modern Manufact Technologies; XVI, No.2, 2024, pp 106-112, https://doi.org/10.54684/ijmmt.2024.16.2.106 (15/6=2,5) 6. Maria Catana, Simona-Nicoleta Mazurchevici, Constantin Căraușu, Teodor Daniel Mîndru, Dumitru Nedelcu (autor correspondent), <i>Bicomponent additive manufacturing of polymers - A review</i>, Int J of Modern Manufact Technologies; XVI, No.2, 2024, pp 13-31, https://doi.org/10.54684/ijmmt.2024.16.2.13 (15/5=3) 7. Simona Nicoleta Mazurchevici, Alina Marguta, Dumitru Nedelcu, (2024), <i>Enhancing the characteristics of bio-based polymers coated with ceramic particles</i>, Journal of Engineering Sciences and Innovation, 9(1), 47-56, (15/3=5) 8. Coman Costel Catalin, Mazurchevici Simona-Nicoleta, Carausu Constantin, Nedelcu Dumitru, (2023), Influence of technological parameters on machining accuracy in incremental forming, International Journal of Modern Manufacturing Technologies, 15(2), 29 – 38, DOI 10.54684/ijmmt.2023.15.2.29, (15/4=3,75) 9. Daniel Mărguță, Eugen Hergheliegiu, Cătălin Tâmpu, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, <i>Water jet cutting influence on lignin-based polymer samples</i>, International Journal of Modern Manufacturing Technologies, Special Issue, Vol.XIII, No.1 / 2021, indexare Scopus, Index Copernicus, Inspec, CNKI, Google Scholar, (15/5=3) 10. Coman Costel Catalin, Mazurchevici Simona-Nicoleta, Carausu Constantin, Nedelcu Dumitru, (2023), <i>Influence of technological parameters on machining accuracy in incremental forming</i>, International Journal of Modern Manufacturing Technologies, 15(2), 29 – 38, DOI 10.54684/ijmmt.2023.15.2.29, (15/4=3,75)

					11. Alina Marguta, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2023), <i>Coating of a lignin-based polymer with ceramic micropowders</i>, Journal of Engineering Sciences and Innovation, 8(2), 101-112, (15/3=5) 12. Alina Mărguță, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2022), Thermal behavior of coated bio-polymers, International Journal of Modern Manufacturing Technologies, XIV(3), 146-151, https://doi.org/10.54684/ijmmt.2022.14.3.146, (15/3=5) 13. Alina Mărguță, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2022), <i>Coated polymers - A review</i>, International Journal of Modern Manufacturing Technologies, XIV(2), 128-144, https://doi.org/10.54684/ijmmt.2022.14.2.128, (15/3=5) 14. Justina Georgiana Motaș, Fabrizio Quadrini, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2022), <i>OTR and surface-wetting of coated Arboblend V2 Nature sheets</i>, ASTR, Journal of Engineering and Innovation, 7(3), 327-336, (15/4=3,75) 15. Daniel Mărguță, Eugen Herghelegiu, Cătălin Tâmpu, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu (autor corespondent), (2021), <i>Technological parameters influence on biodegradable injected polymers during water jet cutting</i>, ASTR, Journal of Engineering and Innovation, 6(3), 235-248, (15/5=3) 16. Andrei Danut Mazurchevici, Constantin Carausu, Ciprian Ciofu, Ramona Popa, Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (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, (15/6=2,5) 17. 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, (15/6=2,5) 18. Abhinaba Roy, Narendra Nath S, Dumitru Nedelcu, (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, (15/3=5) 19. Dorin Vaideanu, Simona Plavanescu (Mazurchevici), Elena Puiu Costescu, Dumitru Nedelcu, 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 (15/5=3) 20. Simona Plavanescu, Fabrizio Quadrini, Dumitru Nedelcu, (2015), Tensile test for Arboform samples, Acta Universitatis Cibiniensis-Technical Series, 66(1), doi: 10.1515/aucts-2015-0044, pp. 147-152 (15/3=5) 21. Nedelcu, D., 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.) (15/4=3,75) 22. Ciofu, C.D., Nedelcu, D., (2014), Finite element in designing of the gate location, shape and moulding injection path, Advanced Materials Research, 1036, pp. 417-421 (Scopus etc.) (15/2=7,5) 23. Puiu, E., Dumitru, N., 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.) (15/3=5) 24. Nedelcu, D., Plavanescu, S., Puiu, E., (2014), <i>Impact resistance of “liquid wood”</i>, Advanced Materials Research, 1036, pp. 13-17 (Scopus etc.) (15/3=5)
--	--	--	--	--	--

					25. Dumitru Nedelcu, Andrei Stefan, Daniel Mindru, Simona Plavanescu, (2012), <i>Flexural Properties of Samples Obtained from Liquid Wood</i>, Selected Engineering Problems Journal, ISSN 2299-954x, No. 3/2012, pp. 151-155, Gliwice, Poland, indexed by Index-Copernicus and BazTech. (15/4=3,75) 26. Dumitru Nedelcu (corresponding author), Romeu Chelariu, Ciprian Ciofu, (2011), <i>The structural analysis of composite materials reinforced with Si-C particles</i>, Selected Engineering Problems Journal, No. 2, pp. 273-281, Gliwice-Poland, indexed by Index-Copernicus and BazTech. (15/3=5) 27. Daniel Mindru, Ciprian Ciofu, Dumitru Nedelcu, (2011), <i>Flow simulation of the two-component plastic injection process with reinforced parts</i>, Journal Wybrane problem inzynierskie, pp. 261-266, ProQuest, (15/3=5) 28. Ciprian Ciofu, Ovel Pintilie, Dumitru Nedelcu, <i>Quality management of industrial production in field of machine manufacturing</i>, Journal Wybrane problem inzynierskie, pp. 261-266, ProQuest, (15/3=5) 29. Badea Cristinel, Zagan Remus, Tăbăcaru Lucian, Axinte Eugen and Nedelcu Dumitru (corresponding author), (2011), <i>Elimination techniques of microbiological agents in water purification processes with uv radiation</i>, Journal of Applied Sciences in Environmental Sanitation, 6(1), pp. 51-62, ISSN 0126-2807, indexed by CABI, DOAJ, EBSCO, Geobase, GoogleScholar, IndexCopernicus, OpenJ-Gate, Scirus. (15/5=3) 30. Teodor Daniel Mindru, Ciprian Dumitru Ciofu & Dumitru Nedelcu, <i>Optimization of the plastic injection process through the modification of the process functional parameters</i>, vol. „Tehnopus new technologies and products in machine manufacturing and technology”, pp. 87-92, 13-14 mai 2011, ISSN 1224-029x, (indexcopernicus) (15/3=5) 31. Dumitru Nedelcu (corresponding author), Radu Comaneci, Romeu Chelariu, Lucian Tabacaru, (2010), <i>Some experimental aspects concerning the stratified composite materials with metallic matrix</i>, International Journal of Modern Manufacturing Technologies, II (2), pp. 65-71 ISSN 2067-3604, indexed by Engineering Village-Inspec and Index Copernicus. (15/4=3,75) 32. Dumitru Nedelcu (corresponding author), Radu Comaneci, Romeu Chelariu & Lucian Tabacaru, (2009), <i>Overview of composite material technology with Si-C particles reinforcement</i> International Journal of Modern Manufacturing Technologies, I (1), pp. 57-63, ISSN 2067-3604, indexed by Engineering Village-Inspec and Index Copernicus. (15/4=3,75) 33. Cobzaru Petru, Nedelcu Dumitru, Tabacaru Lucian, Merticarau Vasile, (2008), <i>Aspecte ale cercetarilor asupra obtinerii materialelor compozite aluminiu-fibre de carbon</i>, Annals of Ovidiu University, Mechanical series, X (1), pp. 115-120, ISSN 1224-1776 (indexed by Engineering Village-Inspec). (15/4=3,75) 34. Ciprian Ciofu, Dumitru Nedelcu, <i>Chatter control during milling process of grooves shafts</i>, International Scientific Journal Acta Universitatis Pontica Euxinus, VI (7), pp. 37-41, ISSN 1312-1669, indexed by Engineering Village-Inspec and CSA. (15/2=7,5) 35. Dumitru Nedelcu, (2007), <i>The main aspects of economical and financial risk management in manufacturing engineering</i>, Academic Journal of Mechanical Engineering, 5(2), pp. 55-60, ISSN 1583-7904, indexed by Index Copernicus. (15/1=15) 36. Negoescu Florin, Nedelcu Dumitru, <i>The contribution concerning the influences of the geometrical parameters by corrugated diaphragms about the equivalent stress</i>, International Scientific Journal Acta Universitatis Pontica Euxinus, vol. 7, nr. 9/2007, pp. 24-27, ISSN 1312-1669 (CSA) (15/2=7,5)
--	--	--	--	--	---

					37. Dumitru Nedelcu, Ciprian Ciofu, Gheorghe Cretu, 2012, <i>Economic Efficiency Analysis of Investments in Machine Manufacturing Industry</i>, Proceedings of 16th International Conference ModTech2012, Sinaia, Romania, pp. 661-665, ISSN 2069-6736 (Inspec) (15/3=5)
	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)	TOTAL: 189,2p 1. Dumitru Nedelcu, 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, (4/3=1,33) 2. S. Plavanescu (Mazurchevici), D. Nedelcu, 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 (4/3=1,33) 3. C. Carausu, D. Nedelcu, 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 (4/3=1,33) 4. Ciprian Ciofu, Dumitru Nedelcu, 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. (4/4=1) 5. Dumitru Nedelcu, 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, Edited by M. Zinigrad, Ariel, Israel, pp. 2.69-2.74 (4/4=1) 6. Cristinel Badea, Dumitru Nedelcu (corresponding author), (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) 7. Teodor Daniel Mindru, Ciprian Dumitru Ciofu, Dumitru Nedelcu (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) 8. Dumitru Nedelcu, 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) 9. D. Nedelcu, P.Cobzaru, L.Tabacaru, C.Carausu, (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) 10. Nedelcu Dumitru, 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) 11. Dumitru Nedelcu, Al-Nakeeb Hassan, (1996), <i>The stress analysis of the exterior grooves using method of finit element</i>, TMCM – Iasi, pp. 307-312, ISBN 9975-910-00-9. (4/2=2)

					12. Dumitru Nedelcu, 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) 13. Dumitru NEDELCU, D. Purtuc, <i>The measure forces at cold plastic deformation of exterior grooves from OL50 using an virtual measurement instrument</i>" Annals of DAAAM & 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) 14. Dumitru Nedelcu, 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) 15. Dumitru Nedelcu, A. Bejan, C. Badea, <i>Setax-gest electronic fare collection system in public passenger transportation</i>, TMCR Chişinău 2005, vol. 5a, Editura UTM, pp. 686-691, ISBN 9975-9975-8-3. (4/3=1,33) 16. Popa Maricel, Dumitru Nedelcu, Sofronie A., Badea C., The e-learning platform ICT-net, Sevastopol-Ukraine 2003, pp. 223-226 ISBN966-7907-11-2 (4/4=1) 17. O.V. Pruteanu, Nedelcu Dumitru, Paraschiv Dragoş, Cărauşu Constantin, Ionel Sârbu, Plastic deformation of the Bearing Rings, Metal2007-Cehia (4/5=0,8) 18. Popa Maricel, Dumitru Nedelcu, Alexandru SOFRONIE, Cristinel BADEA, Some aspects concerning the e-learning distance procedure, TMCR-Chişinău 2003, Editura Tehnica-Info, vol. 5, pp. 427-432, ISBN 9975-9748-0-5 (4/4=1) 19. Butnaru C., Dumitru Nedelcu, Florin Negoescu, Technological aspects to the lapping process and planning experimentally, TMCR 2003 Chişinău 2003, vol. 1, pp. 65-68, ISBN 9975-9740-5 (4/3=1,33) 20. Cobzaru Petru, Dumitru Nedelcu, Improvement technics of connections from composites interface Al-Carbon fibers, Sevastopol-Ukraine 2003, pp. 47-50 ISBN966-7907-11-2 (4/2=2) 21. Dumitru Nedelcu, O. Pruteanu, Silviu Bursuc, Comparative aspects concerning exterior shafts groove manufacturing processes, Sevastopol-Ukraine, 10-15 sept.2001, pp. 138-141 ISBN 966-7907-00-7 (4/3=1,33) 22. Dumitru Nedelcu, The best solution of forming exterior grooves using cold plastic deformation, Chişinău Mai 2001, vol. 3, pp. 157-162 ISBN 9975-9638-0-8. (4/1=4) 23. Lupescu, O. Dumitru Nedelcu, M. Baciuc, The device choosing for rolling the exterior cylindrical surfaces using the utilities theory, TMCM Chişinău Mai 2001, pp. 229-232, ISBN 9975-9638-1-1. (4/3=1,33) 24. Dumitru Nedelcu, The technological parameters influence upon over rolls dimensional at forming exterior grooves using Taguchi method, TCMM, Editura Tehnică, Bucureşti 2001, pp. 326-331, ISBN 973-31-2049-9 (4/1=4) 25. Dumitru Nedelcu, Al-Nakeeb Hassan, The stress analysis of the exterior grooves using method of finit element, TMCM – Iaşi 1996, pp. 307-312, ISBN 9975-910-00-9 (4/2=2) 26. Dumitru Nedelcu, O.V. Pruteanu, Hassan Al-Nakeeb, Reactions, displacement and precision on deformation roll, Proceedings of DAAAM'96 17-19 octombrie 1996 Viena-Austria, 1996, Published by DAAAM International, Viena, 1996, pp. 291-292, ISBN 3-901509-02-X (4/3=1,33) 27. Dumitru NEDELCU, Vasile Merticaru, Prevenirea defectelor interioare la formarea canelurilor prin deformare plastică la rece, TMCM Chişinău 21-22 mai 1999, Editura Tehnica – Info, pp. 87-90, ISBN 9975-910-75-0 (4/2=2)
--	--	--	--	--	---

					28. Dumitru NEDELCU, <i>Considerații privind influența parametrilor tehnologici asupra cotei specifice M_A la formarea prin deformare plastică la rece a canelurilor triunghiulare</i>, TMCM Chișinău 21-22 mai 1999, Editura Tehnica-Info, pp. 91-94, ISBN 9975-910-75-0 (4/1=4) 29. Dumitru NEDELCU, Octavian Pruteanu, <i>Considerații privind determinarea diametrului semifabricatului pentru formarea canelurilor prin deformare plastică la rece</i>, TMCM Chișinău 21-22 mai 1999, Editura Tehnica-Info, pp. 95-98, ISBN 9975-910-75-0 (4/2=2) 30. O. Lupescu, Gh. Nagăț, S. Picoș, Dumitru NEDELCU, <i>Researches concerning the geometry optimization of rolls using cold rolling process hardening without centers</i>, Proceedings of DAAAM'95 Cracovia-Polonia, 1995, pp. 255-256, ISBN 3-901509-01-1 (4/4=1) 31. I. Warter, Dumitru NEDELCU, L. Slătineanu, <i>Consideration concerning the variation of the roughness parameter at the face milling with fitting teeth with circular plates of synterized carbides</i>, Proceedings of DAAAM'95 26-28 octombrie 1995 Cracovia-Polonia, Published by DAAAM International, Viena, 1995, pp. 48-49, ISBN 3-901509-01-1 (4/3=1,33) 32. I. Warter, Dumitru NEDELCU, <i>Researches on the tool life-service and the quality of the surface turned with a rotary cutting disk</i>, Proceedings of DAAAM'95 Cracovia-Polonia, 1995, pp. 483-484, ISBN 3-901509-01-1 (4/2=2) 33. I. Sârbu, Dumitru NEDELCU, O. Pruteanu, <i>Researches regarding the computer aided research for the functional factors of the electromagnetic vibropolishing device</i>, Proceedings of DAAAM'95 26-28 octombrie 2005 Cracovia-Polonia, Published by DAAAM International, Viena, 1995, pp. 381-382, ISBN 3-901509-01-1 (4/3=1,33) 34. E.Axinte, Dumitru NEDELCU, O. Pruteanu, <i>The power consumption on the high speed grinding processes</i>, Proceedings of DAAAM'95 26-28 octombrie 2005 Cracovia-Polonia, Published by DAAAM International, Viena, 1995, pp. 21-22, ISBN 3-901509-01-1 (4/3=1,33) 35. O.V. Pruteanu, Dumitru NEDELCU, <i>The stress analysis on deformation roll</i>, Proceedings of DAAAM'96 17-19 octombrie 1996 Viena-Austria, Published by DAAAM International, Viena, 1996, pp. 361-362, ISBN 3-901509-02-X (4/2=2) 36. Pruteanu M, Dumitru NEDELCU, Pruteanu O, <i>Teoreticeschie i eksperimenlnal isleovaccie ifnos abrazivnov diskov</i>, 4-6 septembrie Lvuov-Ucraina, 1995, pp. 125-126. (4/3=1,33) 37. Vasile V. Merticar, Dumitru NEDELCU, <i>Rezultate experimentale privind influența unor parametri din proces asupra puterii de așchiere la prelucrarea în vârtel a filetelor</i>, TMCR-Chișinău 1999, Editura Tehnica-Info, pp. 245-248, ISBN 9975-910-74-2 (4/2=2) 38. Dumitru Nedelcu, Octavian Pruteanu, Octavian Lupescu, Sabina Picos, I. Warter, <i>Equipment for hardening exterior grooves using cold plastic deformation</i>, Proceedings of DAAAM'94 27-28 octombrie 1994, Maribor-Slovenia, Published by DAAAM International, Viena, 1994, pp. 299-300, ISBN 3-901509-00-3. (4/5=0,8) 39. Dumitru Nedelcu, Sorin Cozma, Laurențiu Slatineanu, <i>Obținerea profilului electrodului-sculă la prelucrarea prin eroziune electrică a unei suprafețe dreptunghiulare</i>, Tehnomus - Suceava, 1993, pp. 55-59. (4/3=1,33) 40. Dumitru Nedelcu, Radu Comaneci, Roman Costel, Tabacaru Lucian, Cretu Gheorghe, <i>Some aspects os the technology for obtaining the samples from composite material with particle reinforcement</i>, The Annals of "Dunarea de Jos" University of Galati, Fascicle V, Technologies in Machine Building, year XXVII 2009, pp.295-299, ISSN 1221-4566. (6/5=1,2) 41. Dumitru Nedelcu, Lucian Tabacaru, Petru Cobzaru, <i>Simularea obtinerii mostrelor de material compozit aluminiu-fibre de carbon</i>, Bul.Inst.Polit. Iasi, Tomul LIV (LVIII), Fasc. 1-3, Sectia Constructii de Masini, 2008, pp. 435-439, ISSN 1011-2855. (6/3=2)
--	--	--	--	--	---

					42. Petru Cobzaru, Ionel Sarbu, Dumitru Nedelcu, Constantin Carausu, <i>The influence of Zinc alloying for the alluminium matrix to produce composites using the liquid forging procedure</i>, Conference Excellence Research a Way to E.R.A., Brasov 2007, Editura tehnica Bucuresti 2007, CDRom Edition, ISSN 1843-5904. (4/4=1) 43. Nedelcu Dumitru & Ciofu Ciprian <i>Milling and engraving technology using the CNC High ZS-400 machine tool</i>, Revista de Tehnologii Neconvenționale, nr. 1 2007, pp.88-92, ISSN 1454-3087 (6/2=3) 44. Dumitru Nedelcu, Daniel Mindru, <i>Some aspects of Manufacturing using JET JSG96 machine</i>, Annals of the Oradea University, vol. IV(XIV), pp. 548-551, 2005, Fascicle of Management and Technological Engineering, ISSN 1583-0691(6/2=3) 45. Dumitru Nedelcu, Daniel Mindru, <i>Some aspects concerning the processing and design technology of pieces on contouring control machine Fadal 4525</i>, Annals of the Oradea University, vol.III (XIII), pp.554-557, 2004, Fascicle of Management and Technological Engineering, ISSN 1583-0691(6/2=3) 46. Dumitru Nedelcu, R. Ciobanu, L. Tabacaru, <i>The management of partnership project activities focus on on-line educational process</i>, Buletinul IPI, Tomul LII(LVI), Fasc. 5C, Sectia Constructiilor de Masini, pp. 1057-1061 2006, ISSN 1011-2855 (6/3=2) 47. R. Ciobanu, L. Tabacaru, Dumitru Nedelcu, <i>Managementul activitatilor de risc</i>, Buletinul IPI, Tomul LII(LVI), Fasc. 5C, Sectia Constructiilor de Masini, pp. 1331-1334, 2006, ISSN 1011-2855(6/3=2) 48. Carol Schnakovszky, Gheorghe Brabie, Dragoș Paraschiv, Nedelcu Dumitru, Octavian Pruteanu, <i>Considerations on the experimental researches regarding the influence on residual stress of bearing rings cold plastic deformation</i>, Buletinul Institutului Iași, Tome LII(LVI), Fasc. 3-4, pp. 35-43, 2006, ISSN 1011-2855 (6/5=1,2) 49. Octavian Pruteanu, Dragoș Paraschiv, Constantin Cărăușu, Nedelcu Dumitru, Ionel Sârbu, <i>Considerations on the processing through plastic deformation of the bearing rings 6210-20</i>, Buletinul Institutului Iași, Tome LII(LVI), Fasc. 3-4, pp. 45-60, 2006, ISSN1011-2855 (6/5=1,2) 50. Constantin Cărăușu, Dragoș Paraschiv, Nedelcu Dumitru, Octavian Pruteanu, <i>Theoretical considerations on the empirical simulation of the depth microhardness in deformed 6210-20 bearing ring</i>, Buletinul Institutului Iași, Tome LII(LVI), Fasc. 3-4, pp. 61-74, 2006, ISSN1011-2855 (6/4=1,5) 51. Dumitru Nedelcu, Daniel Profir, <i>Considerations concerning the automatical statistical control of precision for the fine mechanical pieces</i>, Buletinul Institutului Politehnic din Iasi, Tomul L (LIV), pp. 421-425, 2004, Fascicula Vb, Sectia CM, ISSN 1011-2855 (6/2=3) 52. Dumitru Nedelcu, I. Balan, <i>Aspects concerning the compaction of metallic powders</i>, Conferința OPROTEH-Revista Academiei Romane, pp. 200-206, 2003, ISSN 1224-7499 (6/2=3) 53. Dumitru Nedelcu, A. Iftimie, <i>Some aspects concerning the higher precision of roughness measurement</i>, Citaf 2003-Bucuresti, revista Machine Building, nr. 11-12 (2003), pp. 141-144. (6/2=3) 54. Dumitru Nedelcu, O. Lupescu, F. Damian, <i>The comparative aspects of temperature strain for tool lathe</i>, Bul. Instit. Polit. Iasi, Tomul XLVIII (LII), Supliment I, Sectia Constructiilor de Masini, pp. 165-170, 2002, ISSN 1011-2855. (6/3=2) 55. O. Lupescu, Maria Baci, Dumitru Nedelcu, <i>The influence of the rolling regime to some substructure elements to the cold superficial plastic deformation</i>, Bul. Instit. Polit. Iasi, Tomul
--	--	--	--	--	---

					XLVIII (LII), Supliment I, Sectia Constructii de Masini, pp. 129-134, 2002, ISSN 1011-2855. (6/3=2) 56. O. Lupescu, Dumitru Nedelcu, <i>Theoretical researches concerning establishment of surface geometry for superficial hardening rolling process</i>, Buletin Inst. Polit. Iași, Tomul XLVI(L), Supl.II, Secția V, 2000, pp. 33-38, ISSN 1011-2855. (6/2=3) 57. Dumitru Nedelcu & Alina Maorean, <i>Theoretical and experimental considerations concerning fixing influence upon manufacturing precision of fine mechanical pieces</i>, Conferința OPROTEH 22-24 noiembrie 2001 Bacău, pp.39-44, Revista Academiei Române, ISSN 1224-7499 (6/2=3) 58. Dumitru Nedelcu, Cătălin Fetecău, <i>Considerații privind influența parametrilor tehnologici asupra bății radiale la formarea prin deformare plastică la rece a canelurilor triunghiulare</i>, Revista "Construcții de Mașini", Nr.1-2, 2000, pp. 79-83. (6/2=3) 59. Dumitru Nedelcu, <i>Some considerations about profile determination of tools for forming triangular and involute grooves</i> Bul. Inst. Polit. Iași, Tomul XLIV(XLVIII), Supliment I, Secția V, Construcții de Mașini, 1998, pp. 379-382, ISSN 1011-2855. (6/1=6) 60. Radu Dumitru, Oanță Felix, Dumitru Nedelcu, <i>Computers aided design of a disk slotting tool with straight tooth</i>, Buletinul Institutului Politehnic Iași - Tomul XL (XLIV), Fasc. 1-4, 1995, Secția V, Construcții de Mașini, pp. 125-127, ISSN 1011-2855. (6/3=2) 61. Dumitru Nedelcu, <i>Mașină pentru formarea canelurilor exterioare fără diviza rea mișcării utilizând deformarea plastică</i> la rece, Revista "Construcții de Mașini", 1995, nr. 4-5, pp. 62-64 (6/1=6) 62. O.V. Pruteanu, M. Pruteanu, Dumitru Nedelcu, <i>Relații între parametrii regimului de așchiere și rugozitate la rectificarea plană</i>, Revista "Construcții de Mașini" Nr.4-5, 1995, pp.10-14. (6/3=2) 63. Dumitru Nedelcu, O.V. Pruteanu, O. Felix, <i>Considerations on the obtaining interior grooves using cold plasticity deformation</i>, Buletinul Institutului Politehnic Iași - Tomul XL (XLIV), Fasc. 1-4, 1994, Secția V, Construcții de Mașini, pp. 229-234, ISSN 1011-2855. (6/3=2) 64. L. Tabacaru, I. Sarbu, Dumitru Nedelcu, <i>Influenta vitezei de așchiere asupra eficienței superfinisării</i>, Buletinul IPI, Tomul XL(XLIV), Fasc. 1-4, 1994, Sectia V, Constructii de masini, ISSN 1011-2855. (6/3=2) 65. I.Sarbu, Dumitru Nedelcu, L. Tabacaru, <i>Unele consideratii privind determinarea cu ajutorul calculatorului a parametrilor functionali ai dispozitivului de vibronetezire cu actionare electromagnetica</i>, Buletinul IPI, Tomul XL(XLIV), Fasc. 1-4, 1994, Sectia V, Constructii de masini, ISSN 1011-2855. (6/3=2) 66. Eugen Axinte, Dumitru Nedelcu, O.V. Pruteanu, L. Ghenghea, <i>The influence of the wheel speed on the power consumption in high speed grinding processes</i>, Buletinul Institutului Polit. din Iași, Tomul XL(XLIV) Fasc. 1-4, Secția V, 1994, pp. 235-242, ISSN 1011-2855. (6/4=1,5) 67. Dumitru Nedelcu, L. Tăbăcaru, L. Slătineanu, <i>Aspecte privind proiectarea profilului electrodului - sculă, la prelucrarea prin eroziune electrică a unei suprafețe prismatice</i>, Revista "Construcții de Mașini" , 1994, nr.8-9, pp. 22-25. (6/3=2) 68. Dumitru Nedelcu, R. Dumitru, L. Tăbăcaru, I. Sârbu, <i>Aspecte ale influenței unor parametri ai regimului de lucru asupra gradului de acoperire la vibrohonuirea interioară</i>, Revista "Construcții de mașini" , 1994, nr. 8-9, pp. 15-18. (6/4=1,5)
--	--	--	--	--	--

					69. L. Tăbăcaru, C. Mircea, I. Sârbu, Dumitru Nedelcu, <i>Considerații privind prelucrarea datelor experimentale la suprafinisarea cu bandă abrazivă a materialului 41 CrNi12</i>, Revista "Construcții de Mașini" 1994, nr. 8-9, pp.69-72. (6/4=1,5) 70. I. Sârbu, Dumitru Nedelcu, L. Tăbăcaru, <i>Dispozitiv de vibronetezire cu acționare electromagnetică</i>, Revista "Construcții de Mașini" - Nr.8-9, 1994, pp. 11-14. (6/2=3) 71. M. Pruteanu, O.V. Pruteanu, Dumitru Nedelcu, <i>Cercetări teoretice și experimentale privind uzura discurilor abrazive</i> Revista "Construcții de Mașini" , 1994, nr.4-5, pp.15-21. (6/3=2) 72. Dumitru Nedelcu, 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) 73. Ghenghea Laurențiu, Dumitru Nedelcu, <i>Calcul tehnologic 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) 74. Dumitru Nedelcu, Petru Cobzaru, <i>Cateva aspecte privind planificarea experimentelor pentru obținerea 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) 75. Dumitru Nedelcu, <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) 76. Felix Oanță, Dumitru NEDELCU, 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) 77. Felix Oanță, Dumitru NEDELCU, 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) 78. Laurențiu Slătineanu, Dumitru NEDELCU, Pavel Budău, Iulian Warter, Traian Grănescu, <i>Modelarea prelucrării prin electroeroziune cu mișcare planetară a electrodului-sculă</i>, Galați 29-30 octombrie 1993. (4/3=1,33) 79. Dumitru NEDELCU, 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) 80. M. Popa, Dumitru NEDELCU, 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) 81. Dumitru NEDELCU, 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) 82. Dumitru Nedelcu, 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. (6/3=2) 83. Dumitru Nedelcu, 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 (6/3=2) 84. Dumitru Nedelcu, 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. (6/3=2) 85. Dumitru Nedelcu, 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 (6/3=2) 86. Dumitru Nedelcu & Gh. Creţu, <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 (6/3=2) 87. Octavian Lupescu, Dumitru Nedelcu, <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 (6/3=2) 88. Gh. Creţu, B. Rusu, Dumitru Nedelcu, <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 (6/3=2) 89. Mihailov E., Mihailov Al., Nagit Gh., Paraschiv Dr., Toca Al., Nedelcu D., 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. (4/7=0,57)
	2.4 Proprietate intelectuală, brevete de invenție și inovatie, etc.		2.4.1 internationale	40/nr.de autori	-
			2.4.2 nationale	20/nr.de autori	TOTAL: 49p 1. Nedelcu Dumitru, 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. (20/5=4) 2. Nedelcu Dumitru, Brevet RO 116923 B, (1997), <i>Machine tool high capacity pneumatic hydraulic force amplifier has three successive acting pistons controlled by compressed air</i> (20/1=20) 3. Nedelcu Dumitru, 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</i> (20/1=20) 4. Nedelcu Dumitru, 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</i>, (20/4=5)
	2.5 Granturi/proiecte castigate prin competitie sau contracte cu mediul socio-economic (in	2.5.1 Director/Responsabil - Minim 2D sau 4R*** pentru Profesor / CS I ;	2.5.1.1 internationale	20* val/ (10 mii €)	1. Joint Student Project, TUIASI-SUT, 2025-2026 Main supervisor: Nedelcu Dumitru,
			2.5.2.2 nationale	10* val/ (10 mii €)	TOTAL: 1345,93p 1. GI-P21-2021: Dezvoltarea capacității de publicare, grant intern TUIASI

		val de minimum 25000 lei)	Minim 1D sau 2R*** pentru Conferentiar / CS II		Director proiect: Nedelcu Dumitru, (10x50000lei/50000lei=10) 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. 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= 226,92 - 1euro=4,6581/01.03.2018 2. PNIII-1.2.PDI-PFC-C1-2018, "Dezvoltarea institutionala a TUIASI prin cresterea vizibilitatii si a performantei cercetarii" (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= 110,02 - 1euro=4,6581/01.03.2018 3. Proiect PN2/Four Program-Partnership 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=532,81 (Val. Proiect 1800000RON=532812,36 euro (1EURO=3,3783/18.09.2007) 4. Proiect CEEEX/CNI-ICAF/Relansin program Contract Nr. 127-CEEEX 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= 421,46 (Val. Proiect 1496000RON=421467,81 euro) (1EURO=3,5495lei) 5. Proiect CEEEX-MII 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=5,08) 6. Proiect CEEEX-MII Contract Nr. 6151/26.09.2006, Director proiect, Coordinating: “Gheorghe Asachi” Technical University of Iasi Project title: <i>Management of research projects</i> (10x5083,59 (18000RON, 1euro=3,5408)/10000=5,08) 7. Proiect Relansin 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=8,76) 8. Proiect Relansin 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=14,56) 9. Proiect Relansin 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=8,74) 10. Proiect ANSTI 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> 11. IMPACT Program, POS-CCE/CDI, Contract 339/2006, Service provider: Intergroup Engineering Regional research-innovation center, technology transfer and continuous training in advanced processing technologies, (10x1500euro/10000=1,5) Director proiect: Nedelcu Dumitru
		2.5.2 Membru in echipa	2.5.2.1 internationale 2.5.2.1 nationale	4*nr.ani participa in proiect 2*nr.ani participa in proiect	Internationale: 56p 1. Proiect FP7 (4x3=12) Contract No. 218940/11.06.2008 Title 5&7 Energy&Transport, Collaborative Project, Achieving Real Change with Innovative Transport Measures Demonstrating Energy Savings-ARCHIMEDES (Call Identifier FP7-SST-2007-TREN-1_28june), 2008-2012 2. FP6, Contract no. 017991/2005 Injection Moulding of Titanium Powders for Biomedical Application (4x2=8) 3. Tempus AC-JEP (4x3=12) Contract No. 13468/1998 Project title: <i>Restructuring of the university continuing education centres at two Romanian universities</i> 4. Tempus AC-JEP (4x3=12) Contract No. 13578/1998, Project title: <i>Network of leading centres on continuing education for industry</i> 5. Tempus S-JEP (4x3=12) Contract No. 11230/1996, Project title: <i>Quality Assurance in Engineering Degree Programs</i> Nationale: 68p 1. Expert educațional Dumitru Nedelcu - IVAC- Lanț valoric integrat pentru îmbunătățirea pieței muncii, cod 2SOFT/1.1/94, Programul operațional comun România-Republica Moldova, predare curs Procesarea și prelucrarea materialelor compozite și desfășurare activități practice în injectarea materialelor compozite, printarea 3D și scanarea 3D, Coordonator proiect: Universitatea Tehnică "Gheorghe Asachi" din Iași, https://www.ivac.tuiasi.ro, (2x2=4) 2. CNFIS-FDI-2019-0021, The internationalization of students education at TUIASI Coordinator: "Gheorghe Asachi" Technical University of Iasi, (2x1=2)

					3. Contract Nr. 60PCCDI/2018, PN-III-P1-1.2-PCCDI-2017-0239, 2018-2020, Obtaining and expertise of new biocompatible materials for medical applications, Component 1 Project “Biodegradable Mg-Based Alloys for Orthopedic Implants – ORTOMAG” (2x4=8) 4. PN2-Program 4 parteneriate, Contract nr. 61-038/2007 Cercetări avansate privind tehnicile de eliminare a agenților microbiologici în procesele de purificare a apei utilizând radiații UV (2x3=6) 5. Proiect CEEEX-MI (2x3=6) 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> 6. Proiect CEEEX-MI (2x3=6) 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 reconfigurable manufacturing systems</i> 7. Proiect CEEEX/NTPR/ Relansin Program (2x3=6) Contract No. 20-CEEEX MI/2005, Coordinating: “Gheorghe Asachi” Technical University of Iasi Project title: <i>New technology to increase productivity and quality bearings</i> 8. Grant ANSTI/2001-2002 (2x3=6) Imbunătățirea proprietăților de exploatare a pieselor tratate mecanic prin procedee de deformare plastică la rece 9. Grant CNFIS 2000, 716/09,10,2000, Code 59 Program independent de educație permanentă. Asigurarea calității și fiabilității construcțiilor sudate. Organizare de laborator (2x3=6) 10. Grant MEN, 34280/1999, Creșterea durabilității și calității arborilor canelați obținuți prin deformare plastică la rece (2x3=6) 11. Grant CNFIS type C/1997 (2x3=6) Project title: <i>Quality assurance and management. High school graduate</i> 12. Grant CNCISIS type D, contract 40/1997 (2x3=6) Contract No. 40/1997, Project title: <i>Program Postgraduate and doctoral directions workability of materials, technologies and conventional surface finish</i>	
		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
	TOTAL A2					TOTAL: 40p
						3225.07

3	Recunoasterea 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	TOTAL: 1040,81 1). Tzotzis, A; Nedelcu, D; Mazurchevici, SN; Kyratsis, P., Surface Quality Evaluation of 3D-Printed Carbon-Fiber-Reinforced PETG Polymer During Turning: Experimental Analysis, ANN Modeling and Optimization, Polymers, 16(2), DOI 10.3390/polym16202927, (10/4=2,5x3=7,5) 2). Coman Costel Catalin, Mazurchevici Simona-Nicoleta, Carausu Constantin, Nedelcu Dumitru, (2023), Analysis of Incremental Sheet Forming of Aluminum Alloy, Materials, 16(19), article number 6371, DOI 10.3390/ma16196371, (10/4=2,5x3=7,5) 3). Simona-Nicoleta Mazurchevici, Oktawian Bialas, Teodor Daniel Mindru, Marcin Adamiak, Dumitru Nedelcu, (2023). Characterization of Arboblend V2 Nature Textured Surfaces obtained by Injection Molding, Polymers, 2023, 15(2), 406, 1-17, https://doi.org/10.3390/polym15020406, (10/5=2x1=2) 4). Simona-Nicoleta Mazurchevici, Alina Marguta, Bogdan Istrate, Marcelin Benchea, Mihai Boca, Dumitru Nedelcu (autor corespondent), Improvements of Arboblend V2 Nature characteristics through depositing thin ceramic layers, Polymers 2021, 13(21), 3765, https://doi.org/10.3390/polym13213765, (10/6=1,66x3=4,99) 5). Simona-Nicoleta Mazurchevici, Dorin Vaideanu, Doreen Rapp, Cristian-Dragos Varganici, Constantin Carausu, Mihai Boca, Dumitru Nedelcu (autor corespondent), (2021), Dynamic mechanical analysis and thermal expansion of lignin-based biopolymers, Polymers, 13, 2953, https://doi.org/10.3390/polym13172953, (10/7=1,42x10=14,2) 6). Simona-Nicoleta Mazurchevici, Justina Georgiana Motas, Mariana Diaconu, Gabriela Lisa, Nicoleta Monica Lohan, Mihai Glod, Dumitru Nedelcu (autor corespondent), Nanocomposite Biopolymer Arboblend V2 Nature AgNPs, Polymers 2021, 13, 2932, https://doi.org/10.3390/polym13172932, (10/7=1,42x3=4,26) 7). Justina G Motas, Nima E. Gorji, Dumitru Nedelcu, Dermot Brabazon, Quadri Fabrizio, (2021), XPS, SEM, DSC and nanindentation Characterization of Silver Nano-Coated Biopolymer Pellets, Appl. Sci. 2021, 11(16), 7706; https://doi.org/10.3390/app11167706, (10/5=2x24=48) 8). Kumar, S; Park, HS; Nedelcu, D., (2021), Development of Real-time Grinding Process Monitoring and Analysis System, International Journal of Precision Engineering and Manufacturing, 22, 1345-1355, DOI: 10.1007/s12541-021-00539-5, (10/3=3,33x11=36,63) 9). Harshit K. Dave; Brijesh H. Patel; Shilpesh R. Rajpurohit; Ashish R. Prajapati; Dumitru Nedelcu, (2021). Effect of Multi-Infill Patterns on Tensile Behaviour of FDM Printed Parts, Journal of the Brazilian Society of Mechanical Sciences and Engineering (BMSE), 43(1), article number 23, (10/5=2x27=54) 10). Nicuşor BAROIU, Georgiana-Alexandra COSTIN, Virgil Gabriel TEODOR, Dumitru NEDELICU, Valentin TĂBĂCARU, (2020), Prediction of surface roughness in drilling of polymers using a geometrical model and artificial neural networks, Materiale Plastice, manuscript accepted, vol. 57(3), ISSN 2668-8220, https://doi.org/10.37358/MP.57.20.3, (10/5=2x7=14) 11). Dumitru Nedelcu (autor corespondent), Simona-Nicoleta Mazurchevici, Ramona Iuliana Popa, Nicoleta Monica Lohan, Demofilo Maldonado Cortes, Constantin Carausu (2020), Tribological and dynamical mechanical behaviour of prototyped PLA-based polymers, număr special Functional and Architected, Materials, 13, 3615; ISSN 1996-1944, doi: https://doi.org/10.3390/ma13163615, (10/6=1,66x8=13,33)
---	--	---	---	---------------------------------------	-----------------------------	--

						12). Simona-Nicoleta Mazurchevici, Bogdan Pricop, Bogdan Istrate, Andrei-Danut Mazurchevici, Vlad Carlescu, Constantin Carausu, Dumitru Nedelcu (autor corespondent), (2020), Technological Parameters Effects on Mechanical Properties of Biodegradable Materials Using FDM, Materiale Plastice, 57(2), 215-227, ISSN 2668-8220, DOI: https://doi.org/10.37358/MP.20.2.5368, (10/7=1,42x10=14,2) 13). Andrei Mazurchevici, Dumitru Nedelcu (autor corespondent), Ramona Popa, (2020), Additive Manufacturing of Composite Materials by FDM Technology: A Review, Indian Journal of Engineering & Materials Sciences, 27(2), 179-192, ISSN 0975-1017, http://nopr.niscair.res.in/handle/123456789/54873, (10/3=3,33x44=146,52)
--	--	--	--	--	--	--

					14). Simona-Nicoleta Mazurchevici, Andrei-Danut Mazurchevici and Dumitru Nedelcu (autor corespondent), (2020), <i>Dynamical mechanical and thermal analyses of biodegradable raw materials for additive manufacturing</i>, <i>Materials</i>, 13(8), 1819, ISSN 1996-1944, https://doi.org/10.3390/ma13081819, (10/3=3,33x11=36,63) 15). Esteban Broitman, Dumitru Nedelcu (autor corespondent), Simona Nicoleta Mazurchevici, (2020), Tribological and Nanomechanical Properties of a Lignin-based Biopolymer, <i>e-Polymers</i>, 20, 1-14, ISSN 1618-7229, https://doi.org/10.1515/epoly-2020-0055, (10/3=3,33x4=13,32) 16). Justina Georgiana Motas, Fabrizio Quadrini, Dumitru Nedelcu, (2020), Silver Nano-Coating of Liquid Wood for Nanocomposite Manufacturing, Elsevier, <i>Procedia Manufacturing</i>, 47, 974-979, (10/3=3,33x4=13,32) 17). Broitman, E., Nedelcu, D., Mazurchevici, S., Glenat, H., Grillo, S., Tribological and Nanomechanical Behavior of Liquid Wood, <i>Journal of Tribology –Transactions of the ASME</i>, 141(2),022001, (10/5=2x7=14) 18). Simona Mazurchevici, Fabrizio Quadrini, Dumitru Nedelcu (autor corespondent), (2018), The Liquid Wood Heat Flow and Material Properties as a Function of Temperature, <i>Materials Research Express</i>, doi: https://doi.org/10.1088/2053-1591/aab17c, 5(3), 1-7, ISSN 20531591, (10/3=3,33x4=13,32) 19). 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, <i>AIP Conference Proceedings</i>, 1896(1), 200004, (10/3=3,33x3=9,99) 20). 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, <i>AIP Conference Proceedings</i>, 1896,030038, (10/4=2,5x2=5) 21). Nedelcu, D., Lohan, N.M., Volf, I., Comaneci, R., Thermal behaviour and stability of the Arboform® LV3 nature liquid wood, <i>Composites Part B: Engineering</i>, 103, pp. 84-89, (10/4=2,5x12=30) 22). Nedelcu, D., Santo, L., Santos, A.G., Mazurchevici, S.P., Mechanical behaviour evaluation of arboform material samples by bending deflection test, <i>Materiale Plastice</i>, 52(4), pp. 423-426, (10/4=2,5x9=22,5) 23). Viorel Paunoiu, Mamane Abdou Saadatou, Dumitru Nedelcu, Mircea Octavian, (2015), Experimental and numerical investigations of sheet metal circular bending, <i>Indian Journal of Engineering & Materials Sciences</i>, 22, 487-496, (10/4=2,5x3=7,5)
--	--	--	--	--	---

					24). Dumitru Nedelcu (autor corespondent), Simona Plavanescu (Mazurchevici), Viorel Paunoiu, (2015), Study of Microstructure and Mechanical Properties of Injection Molded Arboform Parts, Indian Journal of Engineering & Materials Sciences, 22, 534-540, (10/3=3,3x7=23,1) 25). Dumitru Nedelcu (autor corespondent), Radu Comaneci, (2014), Microstructure, Mechanical Properties and Technology of Samples obtained by Injection from Arboblend V2 Nature, Număr special Evolution of Engineering, Technologies and Materials, Indian Journal of Engineering & Materials Sciences, 21(3), 272-276, (10/2=5x12=60) 26). Dumitru Nedelcu (autor corespondent), 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, 55, 11-15, (10/3=3,3x25=82,5) 27). Dumitru Nedelcu, (2013), Investigation on microstructure and mechanical properties of samples obtained by injection from Arbofill, Composites Part B: Engineering, 47, 126-129, (10/1=10x17=170) 28). Ioan Carcea, Dumitru Nedelcu (autor corespondent), (2012), Technology for obtaining composite material with metallic matrix and Si-C particles, Materials and Manufacturing Processes, 27(6), 694-701, doi: 10.1080/10426914.2011.602786 WoS Category Engineering, Manufacturing, (10/2=5x11=55) 29). 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), 344-348, (10/4=2,5x9=22,5) 30). Dumitru Nedelcu (autor corespondent), Daniel Mindru, Catalin Fetecau, Viorel Cohal, Gheorghe Cretu, (2010), Some aspects regarding the simulation of two-component injection process, Materiale Plastice, 47(2), 225-230, (10/5=2x5=10) 31). Ion Postolache, Catalin Fetecau, Felicia Stan, Dumitru Nedelcu, (2009), Study of the polymer flow through tubular runner, Materiale Plastice, 46(4), 458-461, (10/4=2,5x7=17,5) 32). 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, (10/4=2,5x19=47,5) 33). Ciobanu, R.M.; Nedelcu, D., (2007), Organizational reengineering - an approach of change for the Romanian companies, Annals of DAAAM for 2007 & Proceedings of the 18th International DAAAM Symposium "Intelligent Manufacturing & Automation: Focus on Creativity, Responsibility, and Ethics of Engineers", pag. 147-8, 2007 (ISI, Inspec), (10/2=5x4=20)
				3.1.2 citari in articole indexate BDI	5/nr. autori articol citat TOTAL: 84,55 1. Nedelcu, D., Santo, L., Santos, A.G., Mazurchevici, S.P., (2016), Mechanical behaviour evaluation of arboform material samples by bending deflection test, Materiale Plastice, 52(4), pp. 423-426 (1,25p) 1 citare 2. Comaneci, R., Zaharia, L., Nedelcu, D., (2015), 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 (3,33p) 1 citare

					3. Nedelcu, D., Plavanescu Mazurchevici, S., Paunoiu, V. (2015), Study of microstructure and mechanical properties of injection molded arboform parts, Indian Journal of Engineering and Materials Sciences, 22(5), pp. 534-540 (3,33p) 1 citare 4. Nedelcu, D., Comaneci, R., (2014), 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 (5p) 5. Nedelcu, D., Plavanescu, S., Puiu, E, Impact resistance of “liquid wood”, 2014, Advanced Materials Research, 1036, pp. 13-17 1 Citare (1,66) 6. Nedelcu, D., Ciofu, C., Lohan, N.M., 2013, Microindentation and differential scanning calorimetry of "liquid wood", Composites Part B: Engineering, 55(1), pp. 11-15 2 citari (3,33) 7. Nedelcu, D., (2013), Investigation on microstructure and mechanical properties of samples obtained by injection from Arbofill, Composites Part B: Engineering, 47, pp. 126-129 3 citari (15p) 8, Nedelcu, D., Carcea, I., (2013), Technology for obtaining samples of layered composite materials with metallic matrix, Metals and Materials International, 19(1), pp. 105-112 1 citare (2,5p) 9. Study of the polymer flow through tubular runner (3,75p) Postolache I., Fetecau C., Stan F., Nedelcu D. (2009) Materiale Plastice, 46 (4) , pp. 458-461. 3 Citari 10. Some aspects concerning the physical models obtained using high performance composite material By: Nedelcu, Dumitru; Stohr, Thomas; Ciofu, Ciprian; et al. 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) 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 3 Citari (3,75p) 12. Aspects Regarding the Use of FEM for Calculus at the Injection Moulding of a High Accuracy Part (6,25p) By: Nedelcu, Dumitru; Fetecau, Catalin; Ciofu, Ciprian; et al. MATERIALE PLASTICE Volume: 46 Issue: 3 Pages: 269-273 Published: SEP 2009 5 Citari
--	--	--	--	--	--

					13. Aspecte ale formarii canelurilor exterioare prin deformare plastica la rece utilizand metoda Taguchi (12,5) D Nedelcu, O Pruteanu 5 Citari 14. <i>Overview of composite material technology with Si-C particles, reinforcement</i> (6,25p) D Nedelcu, R Comaneci, R Chelariu, L Tabacaru, Int. J. Modern Manuf. Tech. 1 5 Citari 15. <i>Some experimental aspects concerning the stratified composite materials with metallic matrix</i> (1,25) D Nedelcu, O Milosevic, R Chelariu, C Roman, Int. J. of Modern Manufacturing Technologies, II (2), 65-71 1 citare 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) 5 citari (5p) 17. Tehnologii de obținere a materialelor compozite D Nedelcu, I Carcea, GD Neagu Politehnium 3 citari (4,99p) 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 1 citare (1,66p) 19. Managementul proiectelor: aspecte teoretice și practice D Nedelcu, OV Pruteanu, Politehnium 1 citare (2,5p)
				3.1.3. citari in alte publicatii	3/nr. Autori articol citat
		3.2 Prezentrari invitate in plenul unor manifestari stiintifice nationale si internationale și Profesor invitat (exclusiv ERASMUS)		3.2.1 in strainatate	20 <u>Prezentari plen: 360</u> 1). AMPT2023, 13-16 septembrie, Bangi, Malaysia 2). Polcom 2022, 23-26 noiembrie, Bucuresti Romania 3). NewTech2022, The 7th International Conference on Advanced Manufacturing Engineering and Technologies, September 8-10, 2022, Rennes, France 4). 6th North American Conference of the IEOM Society, Monterrey, Mexico, 3-5 noiembrie 2021. 5). NCIMAE online International Conference, September 18th, 2020, New Delhi, India 6). POLCOM2020, November 26-28, ediție online, 2020, București, Romania 7). RAM2020, 3-5 Iulie, 2020, ediție online, Surat, Gurahat, India 8). ICMTE2020, Octombrie 6-8, amânata din 1-3 aprilie motivul Covbid-19, Korea de Sud

					9). ICAME2E, October 21-23, 2019, online (zbor Tarom anulat), Langkawi, Malaysia 10). ICCCI2018, July 9-12, Kurashiki, Japonia 11). MMT2016, July 25-29, Ariel, Israel 12). ICMTE2016, October 5-7, Seoul, Korea de Sud, Panelul international <i>Future Manufacturing Technology Innovation Toward the 4th Industrial Revolution</i> 13). ICCCI2015, July 7-10, 2015, Kurashiki, Japonia 14). PCM2014, May 27-29, Ningbo, China 15). Machine-Building and Technosphere of the XXI Century, September 16-21, 2013, Sevastopol, Ucraina 16). Selected Engineering Problems International Seminar, Politehnika Slaska, October 25-26, 2012, Gliwice-Polonia 17). ICCCI 2012 International Conference, 2-5 September, Kurashiki-Japonia 18). Selected Engineering Problems International Seminar, Politehnika Slaska, April 27-28, 2011, Gliwice-Polonia <u>Profesor invitat: 300</u> 1-7). Silesian University of Technology, Mechanical Engineering Faculty, Gliwice, Poland, 2017-2024, 7 pozitii 8-10). Universitatea Alecu Russo din Balti, Republica Moldova, 2021-2024, 3 pozitii 11). Grenoble Institute of Technology, France, 2016 12). University of Osaka, Japan, 2015 13). Universitatea Alecu Russo din Balti, Republica Moldova, 2015 14). TAT, Engineering Institute, Tokyo, Japan, 2012 15). European Project FSD-76/RMT-0/2010, 23-25.10.2012, Silesian University of Technology, Gliwice, Poland TOTAL: 660p
				3.2.2 in tara	10 1). POLCOM2020, November 26-28, ediție online, 2020, Bucharest, Romania; 2). NewTech2020, Septembrie 9-11, ediție online, Galați, Romania; 3). POLCOM2018, Noiembrie 1-2, Universitatea Politehnica din București; 4). MSE2015, June 3-6, Sibiu, Romania; 5). SATEE2014, 16-18 October, Alba Iulia, Romania; 6). OPROTEH2013 International Conference, 23-25 May, 2013, Bacău-Romania TOTAL: 60p
		3.3 (a) Membru in colectivele de redactie sau comitete stiintifice ale revistelor si manifestarilor stiintifice,	Punctajul se ia in calcul o singura data pentru o revista sau o manifestare stiintifica	3.3.1 indexate ISI	10 Membru la reviste ISI (30p): 1). Topic editor, Materials, jurnal ISI Zona Q1, factor de impact 3,057, Basel, Elveția 2). Guest Editor, International Journal of Materials & Product Technology (IJMPT), SI-2015: ISSN 0268-1900 3). Editor, Indian Journal of Engineering & Materials Sciences, ISSN 0971-4588 Membru comitete stiintifice la conferinte ISI (60p): 1. ModTech, Romania, 2. PCM, China, 3. AMPT, Madrid-Spain; 4. MSE, Romania; 5. ModTech-New Face of TMCR, Romania; 6. ACME, Romania.

		organizator de manifestari stiintifice / Recenzent pentru reviste si manifestari stiintifice nationale si internationale indexate ISI			Organizator de conferinte ISI (20p): 1. ModTech-New face of TMCR, Romania; 2. ModTech, Romania; Recenzent jurnale ISI (100p): 1. Metals; 2. Materials; 3. Advances in Polymer Technology; 4. Indian Journal of Engineering and Materials Science; 5. Material Science & 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 Recenzent conferinte ISI (30p): 1. ModTech-New face of TMCR, Iasi, Romania; 2. PCM, China; ModTech, Romania; 3. ACME-Romania; TOTAL: 240p
				3.3.2 BDI	8 Membru la reviste BDI (96p): 1. Editor sef, International Journal of Manufacturing Economics and Management 2. Editor sef, International Journal of Modern Manufacturing Technologies 3. Journal of Applied Sciences in Environmental Sanitation, Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia, www.trisanita.org 4. Journal of Applied Technologies in Environmental Sanitation, Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia, www.trisanita.org 5. Journal Wybrane problem inzynierskie, Gliwice-Polonia 6. Editor sef, Advanced Engineering Forum, Trans Tech Publications Inc., Switzerland 7. Editor, Fizica si tehnica: procese, modele, experimente, Universitatea de Stat Alecu Russo din Balti, Republica Moldova 8. Editor, Journal of Mechanics Engineering and Automation (JMEA), ISSN: 2159-5275, USA 9. Editor, Journal of Military Technology, Romania 10. Co-Editor, Annals of Constanta Maritime University, Romania 11. Editor şef, Journal of protective coatings & linings, University of Alaska, SUA. 12. Editor Şef, International Journal of Hybrid Information Technology, Global Vision Press, Australia Membru comitete stiintifice la conferinte BDI (120p): 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. Satec, 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; Organizator de conferinte BDI (16p): 1. ModTech, Gliwice, Polonia 2. Conferinta Scolii doctorale TUIASI Recenzent Jurnale BDI (48p): 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 Recenzent conferinte BDI (56p):

						1. ModTech; 2. MSE2011; 3. Oprotech; 4. ACME2014; 5. ICAMAT2014; 6. POLCOM2014; 7. PPE2015; Referent la 8 carti (64p). TOTAL: 400p
				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	1. CNATDCU, Comisia de Inginerie Industrială si Management, 2011-2012 (2x2=4) 2. CNATDCU, Comisia de Inginerie Industrială si Management, contestatii, 2016-2020 (2x4=8) 3. Membru al panelului național de experți pentru evaluarea proiectelor naționale, 2010 (2x1=2) 4. CNATDCU, Comisia de Inginerie si Managementul productiei, 2020-2024 (2x4=8) 5. CNATDCU, Comisia de Inginerie si Managementul productiei, 2024-în prezent (2x2=4) TOTAL: 26p
		3.5 Premii		3.5.1 Academia Romana	30	-
				3.5.2 ASAS, AOSR, academii de ramura și CNCSIS	15	TOTAL: 195p 1). Simona-Nicoleta Mazurchevici, Dorin Vaideanu, Doreen Rapp, Cristian-Dragos Varganici, Constantin Carausu, Mihai Boca, Dumitru Nedelcu (autor corespondent), Dynamic mechanical analysis and thermal expansion of lignin-based biopolymers, Polymers 2021, 13, 2953, https://doi.org/10.3390/polym13172953 , PN-III-P1-1.1-PRECISI-2021-63726 2). Simona-Nicoleta Mazurchevici, Justina Georgiana Motas, Mariana Diaconu, Gabriela Lisa, Nicoleta Monica Lohan, Mihai Glod, Dumitru Nedelcu (autor corespondent), Nanocomposite Biopolymer Arboblend V2 Nature AgNPs, Polymers 2021, 13, 2932, https://doi.org/10.3390/polym13172932 , PN-III-P1-1.1-PRECISI-2021-64882 3). Justina G Motas, Nima E. Gorji, Dumitru Nedelcu, Dermot Brabazon, Quadrini Fabrizio, (2021), XPS, SEM, DSC and nanodentation Characterization of Silver Nano-Coated Biopolymer Pellets, Appl. Sci. 2021, 11(16), 7706; https://doi.org/10.3390/app11167706 , PN-III-P1-1.1-PRECISI-2021-63793 4). Dumitru Nedelcu (corresponding author), Simona-Nicoleta Mazurchevici, Ramona Iuliana Popa, Nicoleta Monica Lohan, Demofilo Maldonado Cortes and Constantin Carausu (2020), Tribological and dynamical mechanical behaviour of prototyped PLA-based polymers, special issue Functional and Architected, Materials, 13, 3615; doi:10.3390/ma13163615, PN-III-P1-1.1-PRECISI2020-48435 5). Simona-Nicoleta Mazurchevici, Andrei-Danut Mazurchevici and Dumitru Nedelcu, (2020), Dynamical mechanical and thermal analyses of biodegradable raw materials for additive manufacturing, Materials, 13(8), 1819, doi:10.3390/ma13081819, PN-III-P1-1.1-PRECISI2020-48441 6). 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 7). 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-PRECBVT-2017-0537 8). 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 9). 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 10). 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 11). 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 12). 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 CNCSIS, CNCSIS-2009 13). Ion Postolache, Catalin Fetecau, Felicia Stan, Dumitru Nedelcu, <i>Study of the polymer flow through tubular runner</i>, Paper awarded by CNCSIS, CNCSIS-2009
			3.5.3 premii internationale	10	TOTAL: 60p 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;

				3.5.4 premii nationale in domeniu	5	TOTAL: 20p 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.
		3.6 Membru in academii, 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 academii de ramura		20	Membru corespondent AOSR; Membru corespondent ASTR Total: 40p
			3.6.3 Conducere asociatii profesionale	3.6.3.1 internationale	30	Presedinte, Asociatia Profesionala in Tehnologii Moderne de Fabricatie, ModTech, Iasi TOTAL: 30p
				3.6.3.2 nationale	10	-
			3.6.4 Asociatii profesionale	3.6.4.1 internationale	5	1. European Scientific Association for Material Forming (ESAFORM), Netherlands; 2. American Association for Science and Technology (AASCIT); 3. Serbian Ceramic Society – Composite Materials Section; 4. International Union of Machine Building-Ukraine. TOTAL: 20p
				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. TOTAL: 12p
			3.6.5 Organizatii în domeniul educației și cercetării	3.6.5.1 Conducere	10	-
				3.6.5.2 Membru	5	-
		TOTAL A3				2888,36

17.09.2025

Prof.univ.dr.ing.ec. Dumitru Nedelcu
Universitatea Tehnică “Gheorghe Asachi” din Iași
Facultatea Construcții de Mașini și Management industrial, Departamentul Tehnologia Construcțiilor de Mașini

Tabelul 1. Standardul minimal al universității SMU.CONF.1-Activitatea didactică

Standardul minimal al universității SMU.CONF.1-Activitatea didactică	Indicatori de performanță ¹		Număr impus de realizări ³	Realizări Nedelcu Dumitru	Punctaj
Valoarea contribuțiilor la dezvoltarea activităților didactice / profesionale, prin cărți/ capitole publicate în edituri recunoscute CNCS, sisteme de laborator funcționale, metode de lucru avansate aplicate etc. - după caz, cu referire distinctă la realizările după acordarea ultimului titlu didactic/ grad profesional.	C a	Carte/ curs/ manual publicată în străinătate	-	1). Nedelcu, D., Tehnologii de mecanică fină, 2001, ISBN 9975-63-091-X, Tehnica Info-Chisinau, 466 pagini, format academic, 37,28 puncte 2). Nedelcu, D., Pruteanu, O.V., Aspecte ale formării canelurilor exterioare prin deformare plastică la rece utilizând metoda Taguchi Tehnica-Info, Chișinău, 2000, ISBN 9975-910-96-3, 261 pagini, format academic, 20,88 puncte	58,16
		Capitol carte/ curs/ manual publicat în străinătate	-	1). Daniel Chiriță, Dumitru Nedelcu, <i>Advanced Manufacturing of the Holes by Controlled Texture</i> , Experiments and Simulations in Advanced Manufacturing, Editors: Panagiotis Kyratsis, J, Paulo Davim, capitol acceptat, Springer Nature, Elvetia, 24 pagini, format academic, 1,92 puncte 2). Dumitru Nedelcu, Andrei-Danut Mazurchevici, Calorimetry, structure and morphology of printed samples from biodegradable materials using FDM 3D printing technology, Fused Deposition Modeling based 3D Printing, Editors: Harshit Dave, J. Paulo Davim, capitol acceptat, Springer Nature, Elvetia, 16 pagini, format academic, 1,28 puncte 3). Hargovind Soni, S. Narendranath, M.R. Ramesh, Dumitru Nedelcu, Madindwa Mashinin and Anil Kumar, Development of Ti50Ni50-XCoX (X=1 and 5 at. %) Shape Memory Alloy and Investigation of Input Process Parameters of Wire Spark Discharge Machining, Chapter 4, 77-97, S. Pathak (ed.) Intelligent Manufacturing Materials Forming, Machining and Tribology, Springer Nature, Elvetia, 20 pagini, format academic, 1,6 puncte 4). A D Mazurchevici, R I Popa, C Carausu, S N Mazurchevici, D Nedelcu, Influence of layer thickness, infill rate and orientation on thermal and structural loading of FDM parts, Advances in Manufacturing Processes, Editors: Harshit Dave, Dumitru Nedelcu, Springer Nature Book Series, Singapore, capitol acceptat, Springer Nature Singapore, 14 pagini, format academic, 1,12 puncte 5). Dumitru Nedelcu, Petru Cobzaru, Lucian Tabacaru, (2006), <i>Quality increasing and manufacturing cost reducing of shaft grooves obtained by cold plastic</i>	6,56

				<i>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, 8 pagini, format academic, 0,64 puncte	
		Carte/ curs/ manual publicată în editură recunoscută CNCS (unic/ prim autor sau co-autor)	1	1). Simona-Nicoleta Mazurchevici, Dumitru Nedelcu , (2021), <i>Teoria Proceselor de Sudare</i> , Editura PIM Iasi, ISBN 978-606-13-6469-5, [30x(277/100/2=41,55] 2). Dumitru Nedelcu, 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, 252 pagini, format academic, 20,16 puncte/6=3,36 3). Nedelcu, D., Pruteanu, O.V., <i>Managementul proiectelor</i> , Editura Politehniun, Iași, 2005, ISBN 973-621-123-1, 334 pagini, format academic, 26,72 puncte/2=13,36 puncte 4). Gavril, M., Nedelcu, D., Sofronie, A., <i>Baze de date</i> , Casa de Editură Venus, Iași, 2002, ISBN 973-8174-90-2, 230 pagini, format academic, 18,4 puncte, /3=6,13 puncte	64,4
		Capitol curs/ manual publicat în editură recunoscută CNCS* CNCSIS**	-	-	-
	I	Indrumar laborator/ proiect/ lucrări seminar/ culegere de probleme (publicat sau disponibil pe Web)	1	1). Simona-Nicoleta Mazurchevici, Dumitru Nedelcu, (2021), <i>Aplicații ale Teoriei Proceselor de Sudare</i> , Editura PIM Iasi. ISBN 978-606-13-6476-3, 245 pagini, format academic, 8 puncte 2). Dumitru Nedelcu, Ciprian Ciofu, <i>Tehnologii de Mecanica fina</i> , Editura Politehniun, 2007, ISBN 978-973-621-169-0, 100 pagini, format academic, 4 puncte 3). Dumitru Nedelcu, <i>Proiectarea matritelor de injectie</i> , indrumar de proiectare disponibil pe Google meet, 42 pagini, format academic, 1,68 puncte	13,68
	D	Sisteme de laborator funcționale (numai pentru disciplinele prevăzute cu lucrări de	Amenajare lucrare nouă de laborator cu instalație experiment ală	2	1). Obținerea reperelor utilizand tehnologia de prototipare rapida, imprimanta Raise 3D Pro2 Plus exista in cadrul laboratorului de Mecanica fina si nanotehnologii 2). Tehnologia de obtinere a materialelor compozite cu ranfort sub forma de particule, echipamentul exista in laboratorul de Mecanica fina si nanotehnologii 3). Scanarea 3D a reperelor 4) Printarea 3D a pieselor prin tehnologia FDM

		laborator/ proiect/ lucrări)	Amenajare/ concepere lucrare nouă de laborator/ proiect/ simulare pe calculator/ studiu de caz	1,5		
			Contribuție la dotarea laboratoare lor, în valoare echivalentă cu 700 Euro	1	Contributia la dotarea laboratorului de Mecanica fina si nanotehnologii ajunge la peste 150.000 euro.	1
	W	Utilizarea sistemelor de predare/ învățare/ evaluare de tip e- learning/ on- line/ multimedia etc.4	Suport de studiu/ autoinstruir e pe Web pentru seminar, laborator, proiect (integral pentru o disciplină)	1	1). Suport de prezentare/instruire la disciplina TSDP -îndrumar de proiectare.	1
		Suport de prezentare/ instruire text/ video/ audio/ ppt a disciplinei				
Total puncte SMU.PROF.1 (min 24 puncte)						152,8

Alte condiții:

— deține diploma de doctor în ramura de știință corespunzătoare postului sau într-o ramură înrudită;

Criteriu îndeplinit: Diplomă de doctor, Seria R Nr. 0002626, emisă în baza ordinului Ministrului educației naționale nr. 3772/05.05.1999

— Deține calitatea de conducător de doctorat.

Criteriu îndeplinit: Domeniul inginerie industrială conform Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului Nr. 4631/11.08.2010;

17.10.2025

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

Declarație pe propria răspundere

Subsemnatul, Nedelcu Dumitru, domiciliat în Iași, str. Nicolae I. Popa nr. 10E, bl. -, sc. -, ap. -, județul Iași, legitimat cu CI seria MZ nr. 564176, [REDACTED], încadrat la Universitatea Tehnică "Gheorghe Asachi" din Iași având funcția didactică de profesor, declar pe propria răspundere că documentele depuse la dosar îmi aparțin, sunt întocmite conform Procedurii privind acordarea gradațiilor de merit pentru personalul didactic titular din cadrul Universității Tehnice „Gheorghe Asachi” din Iași, PO.DID.11 și că prin acestea sunt confirmate/ certificate activitățile pe care le-am desfășurat în perioada de referință.

Întocmită într-un exemplar, pe propria răspundere, cunoscând că falsul în declarații este pedepsit conform legii.

Data 17.10.2025

Semnătura



MINISTERUL EDUCAȚIEI ȘI CERCETĂRII
UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
Bld. Profesor Dimitrie Mangeron nr.67, 700050
Tel : +40 232 701111 int. 2535; 2541 URL: www.tuiasi.ro
DIRECȚIA RESURSE UMANE



NR. 1670 / 13.10.2025

ADEVERINȚĂ

Se atestă prin prezenta că dl./dna Gheorghe Dumitru nr. 106, județul Iasi, având domiciliat(ă) în str. Căminelor 77099, este încadrat(ă) în instituția noastră, B./C.I. seria H7, nr. 554176, eliberat de SPUCI Iasi, în prezent pe durată nedeterminată/determinată începând cu data de 01.03.1993 până la data de —, cu un salariu de bază având funcția de Profesor universitar - Facultatea CMM, cu 30-35, gradație de merit —, stabilitate de —, tranșa de vechime 30-35, alte elemente ale sistemului de salarizare —, indemnizație pentru titlul științific de doctor —, salariu brut —, salariu net —.

Se eliberează prezenta pentru a-i servi la dosar gradatie de merit
Pentru anii 2020, 2021, 2022, 2023, 2024 - au fost depuse la serviciul epu
scop de autorizare si valoare de catre Directiunea de departament