Conf. Dr. Ing. Nadia Ramona CREȚESCU (RAȚ)
Domeniul: Inginerie Mecanică
Facultatea: Design de Produs și Mediu
Departamentul: Design de Produs, Mecatronică și Mediu

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NAȚIONALE

Notă: Dovezile fiecărei poziţii sunt fie prezentate printr-un link extern, fie anexate prezentului document.

Condiții minimale pentru profesor/abilitare					
Domeniul de activitate		**Indicatori**	**Descriere**	**Minim**	**Obţinut**
Activitatea didactică / profesională (A1)	A1.1	N1	Manuale suport de curs	2	**3**
		N1.1	Manuale suport de curs prim autor	1	**1**
		N1.2	Manuale suport de curs in calitate de co-autor	-	**2**
		N1.3	Manuale suport de curs în format electronic pe platforma universității	1	**4**
	A1.2	N2	Material didactic	4	**5**
		N2.1	Standuri laborator	2	**4**
Activitatea de cercetare (A2)	A2.1 + A2.3	P1 + P2	Articole și publicații indexate ISI+Brevete	10	**10,83**
		P1	Articole și publicații indexate ISI	6	**9,81**
	A2.2	N3	Articole și publicații BDI neincluse la P1	10	**11**
		N3.1	Articole și publicații BDI neincluse la P1, ca prim autor	5	**5**
	A2.4 + A2.5	N4	Monografii / cărți	2	**3**
		N4.3	Monografii / cărți ca prim autor	1	**1**
Recunoaștere a impactului activității (A3)	A3.1	S1 + S2	Granturi	50	**53,693**
	A3.2	N5	Prezentarea / diseminarea rezultatelor.	10	**13**
	A3.3	C	Citări	25	**40**

P1 = P1.1 + P1.2 + P1.3 + P1.4
P2 = P2.1 + P2.2
N1 = N1.1 + N1.2
N2 = N2.1 + N2.2 + N2.3
N3 = N3.1 + N3.2
N4 = N4.1 + N4.2 + N4.3 + N4.4

A1 – Activitatea didactică şi profesională – DID	
N1.1 Manuale suport de curs ca prim autor	**Punctaj**
N.R. Crețescu , *Designul produselor mecatronice. Partea I – Fundamente.* Suport de curs pentru disciplinele ”Sisteme mecatronice“ , ”Designul produselor mecatronice“ și ”Produse mecatronice“ Editura; Editura Universitatii Transilvania, ISBN: 978-606-19-1745-7, Brașov, 2025 (e-Book). https://ebooks.unitbv.ro/produs/designul-produselor-mecatronice-partea-i-fundamente/	**1**
Total N1.1	**1**
N1.2 Manuale suport de curs ca si co-autor	
M.T. Lateș, R.G. Săulescu, C.C. Gavrilă, **N.R. Crețescu**, *Inginerie Mecanică. Mecanisme si organe de masini*, Editura: Editura Universitătii Transilvania, ISBN: 978-606-19-1297, Brașov, 2020. https://drive.unitbv.ro/s/FaEPKXyKy5DfkL9	**1**
Neagoe, M., Diaconescu, D., Jaliu, C., Munteanu, O., Săulescu, R., **Crețescu, N.** Linkage accuracy modelling, Ed. Universității Transilvania, ISBN 978-973-635-921-7, 2010. https://drive.unitbv.ro/s/FaEPKXyKy5DfkL9	**1**
Total N1.2	**2**
N1.3 Manuale suport de curs (format electronic disponibil pe platforma universității)	
Designul produselor mecatronice	**1**

https://drive.unitbv.ro/s/kxZcsaJNoEkmmMb	
Metode numerice **https://drive.unitbv.ro/s/kxZcsaJNoEkmmMb**	**1**
Sisteme mecatronice **https://drive.unitbv.ro/s/kxZcsaJNoEkmmMb**	**1**
Organe de masini **https://drive.unitbv.ro/s/kxZcsaJNoEkmmMb**	**1**
Total N1.3	**4**
Total N1 (N1.1 + N1.2)	**3**
N2.1 Standuri laborator certificate de directorul de departament	
DISPOZITIV DE FIXARE MECATRONIC PENTRU UN CADRU PLAN SUDAT ROBOTIZAT. Stand utilizat la orele de laborator prevăzute în cadrul disciplinelor Designul Produselor Mecatronice, Sisteme Mecatronice și Produse Mecatronice la Facultatea Design de Produs și Mediu (DPM) și Facultatea Inginerie Electrică și Știința Calculatoarelor (IESC). https://drive.unitbv.ro/s/525PH8mcasaZQ7x	**1**
Stand TM262 pentru studiul contactului Herzian. Stand utilizat la orele de laborator prevăzute la disciplinele mecanisme și organe de mașini de Facultatea Design de produs și Mediu și Stiința și Ingineria materialelor (Sala GI10) https://drive.unitbv.ro/s/525PH8mcasaZQ7x	**1**
Stand TM220 pentru studiul frecării în transmisiile prin curele. Stand utilizat la orele de laborator prevăzute la disciplinele mecanisme și organe de mașini de Facultatea Design de produs și Mediu și Stiința și Ingineria materialelor (Sala GI10) https://drive.unitbv.ro/s/525PH8mcasaZQ7x	**1**
Stand TM220 pentru studiul frecării în lagărul cu rulmenți radiali. Stand utilizat la orele de laborator prevăzute la disciplinele mecanisme și organe de mașini de Facultatea Design de produs și Mediu și Stiința și Ingineria materialelor (Sala GI10) **https://drive.unitbv.ro/s/525PH8mcasaZQ7x**	**1**
Total N2.1	**4**
N2.2 Îndrumar laborator / carte aplicații format tipărit sau electronic (autor, co-autor)	
Neagoe, M., Vântu, M., Săulescu, R., Crețescu, N. Elemente de Inteligență Artificială. Îndrumar de laborator, Universitatea Transilvania din Brașov, 2004 Anulrealizarii:2004 Anaparitie:2004 **https://drive.unitbv.ro/s/dg9B9mWrQsscPRz?openfile=true**	**1**
N2.3 Aplicație informatică educațională	
Total N2 (N2.1 + N2.2 + N2.3)	**5**

A2 – Activitatea de cercetare științifică, dezvoltare tehnologică și inovare – CDI		
P1.1 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca prim autor (număr de autori ≤ 3)	**Factor de impact**	**Punctaj**
N. Rat, M. Neagoe and G. Gogu, Theoretical and Experimental Research on the Dynamics of a 4DOF Isoglide 4-T3R1 Parallel Robot , 10th International Symposium on Science of Mechanisms and Machines, 2009, Pages: 387-+ , Accession Number: WOS:000289492600031 ISBN:978-90-481-3521-9 https://link.springer.com/chapter/10.1007/978-90-481-3522-6_31	**0**	**0,4**
Cretescu, Nadia & Neagoe, Mircea & Stan, Sergiu. (2010). Comparative Dynamic Analysis of Two Parallel Robots. Solid State Phenomena. 166-167. 345-356. 10.4028/www.scientific.net/SSP.166-167.345, **WOS:000289532000055** **https://www.scientific.net/SSP.166-167.345**	**0**	**0,4**
Cretescu, N., Neagoe, M., Saulescu, R. (2017). Kinematic and Dynamic Analysis of a 4DOF Parallel Robot with Flexible Links. In: Corves, B., Lovasz, EC., Hüsing, M., Maniu, I., Gruescu, C. (eds) New Advances in Mechanisms, Mechanical Transmissions and Robotics. Mechanisms and Machine Science, vol 46. Springer, Cham. DOI: 10.1007/978-3-319-45450-4_48 Accession Number: WOS:000404231000048 **https://link.springer.com/chapter/10.1007/978-3-319-45450-4_48**	**0**	**0,4**
Cretescu, N., Neagoe, M., Saulescu, R. (2013). Kinematic Modelling and VR Simulation of a 3DOF Medical Parallel Robot with One Decoupled Motion. Advanced Materials	**0**	**0,4**

Research. 837. 567-572. 10.4028/www.scientific.net/AMR.837.567. DOI:10.4028/www.scientific.net/AMR.837.567 Accession Number: WOS:000337000500098 https://www.scientific.net/AMR.837.567		
Cretescu, N., Neagoe, M., Saulescu. R. Dynamic Analysis of a Delta Parallel Robot with Flexible Links and Joint Clearances. Applied Sciences. 2023; 13(11):6693. https://doi.org/10.3390/app13116693. FI: 2.838, SRI: 0.885, ISSN: 2076-3417. Accession Number: WOS:001005445000001 **https://www.mdpi.com/2076-3417/13/11/6693?type=check_update&version=1**	**2,5**	**5,4**
P1.2 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca prim autor (număr de autori ≥ 4)	**Factor de impact**	**Punctaj**
Cretescu, N., Neagoe, M., Diaconescu, D., Stan, S. (2011). Dynamic analysis of a Triglide parallel robot. 4th International Conference on Human System Interaction, HSI 2011. 245-249. 10.1109/HSI.2011.5937373. DOI:10.1109/HSI.2011.5937373 Accession Number: WOS:000392284600032, ISBN:978-1-4244-9640-2, ISSN: 2158-2246 https://www.researchgate.net/publication/261195536_Dynamic_analysis_of_a_Triglide_parallel_robot	**0**	**0,3**
Cretescu, N., Neagoe, M., Diaconescu, D., Stan, S., Balan, R.. (2010). Dynamic Modeling and VR Simulation of 3DOF Medical Parallel Robots. 10.1007/978-90-481-3656-8_55. DOI: 10.1007/978-90-481-3656-8_55 Accession Number: WOS:000281247800055 ISBN:978-90-481-3655-1 https://link.springer.com/chapter/10.1007/978-90-481-3656-8_55	**0**	**0,24**
P1.3 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca și co-autor (număr de autori ≤ 3)	**Factor de impact**	**Punctaj**
Neagoe, M., **Cretescu, N.** and Saulescu, R. (2013). Dynamic Modelling of a 3DOF Medical Parallel Robot with One Decoupled Motion. Advanced Materials Research. 837. 594-599. DOI: 10.4028/www.scientific.net/AMR.837.594 Accession Number: WOS:000337000500103 ISBN:978-3-03785-929-2 ISSN: 1022-6680 https://www.scientific.net/AMR.837.594	**0**	**0,2**
P1.4 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS) ca și co-autor (număr de autori ≥ 4)	**Factor de impact**	**Punctaj**
Neagoe, M., Saulescu, R., Jaliu, C., Munteanu, O., **Cretescu, N.** , A Comparative Performance Analysis of Four Wind Turbines with Counter-Rotating Electric Generators. Applied Sciences 2022, 12(19):4233, p. 1-24, https://doi.org/10.3390/app12094233 (FI: 2.838, Q2 - ENGINEERING, MULTIDISCIPLINARY, SRI: 0.885, WOS: 000794733500001). https://www.mdpi.com/2076-3417/12/9/4233	**2,5**	**1,62**
Burduhos, B.G., Vișa, I., Neagoe, M., **Cretescu, N.R.,** Simulated vs. Produced electrical energy of a 9.6 kWp PV system installed in a temperate mountain climate, Journal of Science and Arts, No. 1(50), pp. 215-224, 2020,WOS:000522184600024 https://www.josa.ro/docs/josa_2020_1/c_03_Burduhos_215-224_10p.pdf	**0**	**0,15**
Neagoe, M., Saulescu, R., Jaliu, C., **Cretescu, N**. (2017). Novel Speed Increaser Used in Counter-Rotating Wind Turbines. 10.1007/978-3-319-45450-4_15. Volume: 46, Pages: 143-151, DOI: 10.1007/978-3-319-45450-4_15 Accession Number: WOS:000404231000015 ISBN:978-3-319-45450-4; 978-3-319-45449-8 ISSN: 2211-0984 https://link.springer.com/chapter/10.1007/978-3-319-45450-4_15	**0**	**0,15**
Saulescu, R., Neagoe, M., Munteanu, O., **Cretescu, N**. (2016). Performance analysis of a novel planetary speed increaser used in single-rotor wind turbines with counter-rotating electric generator. IOP Conference Series: Materials Science and Engineering. Vol: 147. Article Number: DOI: 10.1088/1757-899X/147/1/012090. 2016 Accession Number: WOS:000390720200090 ISSN: 1757-8981 https://iopscience.iop.org/article/10.1088/1757-899X/147/1/012090	**0**	**0,15**
Total P1 (P1.1 + P1.2 + P1.3 + P1.4)		**9,81**
P2.1 Brevete de invenții internationale indexate OSIM	**Nr autori**	**Punctaj**

P2.2 Brevete de invenții naționale indexate OSIM	**Nr autori**	**Punctaj**
PLANE-PARALLEL GUIDING DEVICE AND METHOD numar:B23B49/02 autori:NEAGOE MIRCEA; VIŞA ION; SĂULESCU RADU-GABRIEL; BÂRSAN IOAN LUCIAN; CREŢESCU NADIA RAMONA; MOLDOVAN MACEDON DUMITRU; BURDUHOS BOGDAN GABRIEL nrAutori:7 AnAparitie:2019 https://worldwide.espacenet.com/publicationDetails/biblio?FT=D&date=20190329&DB=&locale=en_EP&CC=RO&NR=133154A0&KC=A0&ND=4# https://drive.unitbv.ro/s/NESgP4GLRe2onEa	**7**	**0,30**
MONO-MOBILE PLANETARY SPEED-AMPLIFIER WITH TWO COUNTER-ROTATING OUTPUTS numar: F03D1/00; F16H37/08 autori:SĂULESCU RADU-GABRIEL [RO]; NEAGOE MIRCEA [RO]; VIŞA MARIA [RO]; JALIU ILEANA CODRUŢA [RO]; MUNTEANU OLIMPIU [RO]; ŢOŢU IOAN [RO]; CREŢESCU NADIA RAMONA [RO] nrAutori:7 AnAparitie:2017 https://worldwide.espacenet.com/publicationDetails/biblio?II=1&ND=3&adjacent=true&locale=en_EP&FT=D&date=20170330&CC=RO&NR=131740A0&KC=A0# https://drive.unitbv.ro/s/NESgP4GLRe2onEa	**7**	**0,30**
MONOMOBILE COUNTER-ROTATING WIND SYSTEM numar:F03D1/06; F03D15/00 autori:NEAGOE MIRCEA [RO]; SĂULESCU RADU GABRIEL [RO]; JALIU ILEANA CODRUŢA [RO]; MUNTEANU OLIMPIU [RO]; CREŢESCU NADIA RAMONA [RO] nrAutori:5 AnAparitie:2016 https://worldwide.espacenet.com/publicationDetails/biblio?II=2&ND=3&adjacent=true&locale=en_EP&FT=D&date=20161129&CC=RO&NR=131512A0&KC=A0# https://drive.unitbv.ro/s/NESgP4GLRe2onEa	**5**	**0,42**
Total P2		**1,02**
Total P1+P2		**10,83**
N3.1 Articole și publicații științifice BDI, neincluse la P1, ca prim autor		**Punctaj**
Cretescu, N., Neagoe, M. Dynamic Modelling of an Isoglide T3 Type Parallel Robot. In: Lovasz, EC., Maniu, I., Doroftei I., Ivanescu, M., Gruescu. C.M. (eds) New Advances in Mechanisms, Mechanical Transmissions and Robotics. Joint International Conference of the International Conference on Mechanisms and Mechanical Transmissions and the International Conference on Robotics, MTM&Robotics 2020, 14-16 October 2020, Timişoara, Romania. Mechanisms and Machine Science, Vol. 88, 2021. Springer, Cham, p. 235-248, DOI: 10.1007/978-3-030-60076-1_21, ISBN 978-3-030-60075-4. https://link.springer.com/chapter/10.1007/978-3-030-60076-1_21		**1**
Rat, N.R., Neagoe, M., Diaconescu, D., Stan, S.. (2011). Dynamic simulations regarding the influence of the load-rigidity correlation on the working accuracy of a medical Triglide parallel robot. MECHANIKA. 17. 178-181. DOI: https://doi.org/10.5755/j01.mech.17.2.336 Print ISSN: 1392-1207 Online ISSN: 2029-6983 https://mechanika.ktu.lt/index.php/Mech/article/view/336		**1**
Rat, N., Neagoe, M., Gogu, G. Theoretical and experimental research on the dynamics of a 4 DOF Isoglide4-T3R1 parallel robot, The 10th IFToMM International Symposium on Science of Mechanisms and Machines, Braşov, SYROM 2009, September 12-15. ISBN: 978-90-481-3521-9 e-ISBN: 978-90-481-3522-6, Springer Heidelberg Dordrecht London New York, DOI: 10.1007/978-90-481-3522-6_31. **https://link.springer.com/chapter/10.1007/978-90-481-3522-6_31**		**1**
Rat, N. R., Neagoe, M. Rigid vs. flexible links dynamic analysis of a 3DOF parallel robot. Proceedings of the 3rd IEEE International Conference on ASME 2009, DEST '09, 1-3 June 2009, Istanbul, Turkey, p. 534-539, ISBN: 978-1-4244-2345-3. Digital Ecosystems and Technologies, 2009, DOI:		**1**

10.1109/DEST.2009.5276749. **https://ieeexplore.ieee.org/document/5276749**	
Total N3.1	**4**
N3.2 Articole și publicații științifice BDI, neincluse la P1, ca și co-autor	**Punctaj**
Neagoe, M., Saulescu, R., Jaliu, C., **Cretescu, N.** (2020). Efficiency Analysis of a Planetary Speed Increaser for Wind Turbines with Counter-Rotating Versus Fixed-Stator Electric Generator. 1-4. 10.1109/EEAE49144.2020.9279068. https://www.researchgate.net/publication/347689086_Efficiency_Analysis_of_a_Planetary_Speed_Increaser_for_Wind_Turbines_with_Counter-Rotating_Versus_Fixed-Stator_Electric_Generator	**1**
Saulescu, R., Neagoe, M., **Cretescu, N.** (2020). Comparative analysis of two wind turbines with counter-rotating vs. fixed-stator electric generator. IOP Conference Series: Materials Science and Engineering. 997. 012091. 10.1088/1757-899X/997/1/012091. ISSN 17578981 https://www.researchgate.net/publication/347969684_Comparative_analysis_of_two_wind_turbines_with_counter-rotating_vs_fixed-stator_electric_generator	**1**
Neagoe, M., Saulescu, R., Jaliu, **Cretescu, N.** Steady-State Modeling and Simulation of a 1-DOF Dual-Input and Dual-Output Planetary Speed Increaser for Counter-Rotating Wind Turbines. Proceedings of the 2nd Symposium on Mechanical Systems and Robotics, May 19-21, 2022 Rapid City, South Dakota, USA, in Larochelle, P., McCarthy, M. (ed.), Proceedings of the 2022 USCToMM Symposium on Mechanical Systems and Robotics, Mechanisms and Machine Science Vol. 118, Springer Nature Switzerland AG 2022, ISSN 2211-0984, ISSN 2211-0992 (electronic), ISBN 978-3-030-99825-7, ISBN 978-3-030-99826-4(eBook), DOI 10.1007/978-3-030-99826-4_3, pp. 20-31. https://www.researchgate.net/publication/359642512_Steady-State_Modeling_and_Simulation_of_a_1-DOF_Dual-Input_and_Dual-Output_Planetary_Speed_Increaser_for_Counter-Rotating_Wind_Turbines	**1**
Saulescu, R., Munteanu, O., Neagoe, M., **Cretescu, N.** (2014). On the Eccentricity Effects in Solar Tracking Triangular Linkage with Eccentric Linear Actuator. Mechanisms and Machine Science. 17. 209-216. 10.1007/978-3-319-01845-4_21 DOI:10.1007/978-3-319-01845-4_21. https://www.researchgate.net/publication/289468402_On_the_Eccentricity_Effects_in_Solar_Tracking_Triangular_Linkage_with_Eccentric_Linear_Actuator	**1**
Neagoe, M., Saulescu, R., Jaliu, **Cretescu, N.** Dynamic Modeling and Simulation of a Counter-Rotating Wind System with 1-DOF Planetary Speed Increaser. Proceedings of the 16th World Congress of the International Federation for the Promotion of Mechanism and Machine Science IFToMM, 05-09.11.2023, Tokyo, Japan, in M. Okada (Ed.): IFToMM WC 2023, MMS 149, Vol. 3, pp. 742–752, 2024. https://doi.org/10.1007/978-3-031-45709-8_72, ISSN 2211-0984, ISSN 2211-0992 (electronic), ISBN 978-3-031-45708-1, ISBN 978-3-031-45709-8 (eBook). https://www.researchgate.net/publication/359642512_Steady-State_Modeling_and_Simulation_of_a_1-DOF_Dual-Input_and_Dual-Output_Planetary_Speed_Increaser_for_Counter-Rotating_Wind_Turbines	**1**
Neagoe, M., Visa, I., **Cretescu, N.,** Moldovan, M. On a New Parallel Tracking System for Accurate Orientation of Concentrated Solar Convertors, Applied Mechanics and Materials Vol. 658 (2014) pp 105-110, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.658.105. https://www.scientific.net/AMM.658.105	**1**
Saulescu, R., Jaliu, C., Neagoe, M., Ciobanu, D., **Cretescu, N**. (2023). Comparative analysis of torque-adding wind energy conversion systems with a counter-rotating vs. conventional electric generator. Frontiers in Energy Research. 11. 10.3389/fenrg.2023.1215509. ISSN 2296598X DOI 10.3389/fenrg.2023.1215509 https://www.frontiersin.org/journals/energy-research/articles/10.3389/fenrg.2023.1215509/full	**1**
Total N3 (N3.1+N3.2)	**11**
N4.3 Monografii / cărți de specialitate, format tipărit / electronic (min. 100 pag.) ca prim autor	**Punctaj**
Cretescu, N.R., Modelarea roboților paraleli, Editura Universitatii Transilvania, 2024, ISBN 978-606-19-1744-0 (e-Book) https://ebooks.unitbv.ro/produs/modelarea-robotilor-paraleli-cu-miscari-decuplate/	**1**
Total N4.3	**1**
N4.2 Produse, tehnologii, platforme și servicii inovative (co-autor)	**Punctaj**
Pascu, A., Neagoe, M., Visa, I., **Cretescu, N.** Dispozitiv de măsurare laser a dimensiunilor liniare ale	**1**

cadrelor metalice, 2018. https://drive.unitbv.ro/s/Jjod8gY3M9WDeMe	
Neagoe, M., Visa, I., Barsan, L., **Cretescu, N.** Aplicatie excel pentru reprezentarea grafică a panourilor prelucrate pe echipamentul Lina Punch, 2018. https://drive.unitbv.ro/s/Jjod8gY3M9WDeMe	**1**
Total N4 (N4.1 + N4.2 + N4.3 + N4.4)	**3**

A3 – Recunoașterea și impactul activității – RIA	
S1 Atragerea resurse financiare prin granturi/proiecte/contracte cu terți. Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională.	**Sumă echivalentă în mii Euro (punctaj)**
Modelarea robotilor paraleli cu miscari decuplate perioada: 2006-2007 Finantator: CNCSIS Nr Contract de tip TD:138/2006 Nr Ani Derulare: 2 – **Director de Proiect**, Valoare Proiect 31.000 lei (echivalentul a 9035,60; Eur- curs BNR 2006-2007 1Eur= (3,5245+3,3372)/2 =3,43085 lei) https://drive.unitbv.ro/s/KAZoa4oQ6sCHNpH?openfile=true	**9,0356**
Total S1	**9,035**
S2 Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională	
Contract nr. 40533/2003, tema 1/989 Denumirea: Studiul, simularea şi optimizarea cuplajelor cu bile de tip Weiss si Rzeppa, utilizate in transmisii mecanice. Director: Dudiță, F. Beneficiar: Ministerul Educaţiei, Cercetării şi Tineretului Faza I/2003 Studiul, simularea şi optimizarea cuplajelor cu bile de tip Weiss si Rzeppa, utilizate in transmisii mecanice Autori: Dudiță, F., Diaconescu, D., Munteanu, O., Bercan, N., Jaliu, C., Neagoe, M., Săulescu, R., Lateş, M., Pascale, L., **Creţescu, N.,** Borca, A., Braun, M., Măţăuanu, M., Anghel, E. Suma alocata **26.500.000** lei (vechi) Curs mediu BNR 1EUR= 37555,87 LEI https://drive.unitbv.ro/s/7Ms9JyEYXok6dAj	**0,705**
Proiect CNCSIS tip A nr 40533/2003, tema 5/970 (2003-2005), Cercetari experimentale privind optimizarea modelelor teoretice ale robotilor prin calibrare. Contractor: Universitatea Transilvania din Braşov Director de proiect: Prof.dr. ing. Mircea NEAGOE An 2003-2005 Suma alocata **108.300.000** lei (vechi) Curs mediu BNR 1EUR= 36234,38LEI **https://drive.unitbv.ro/s/7Ms9JyEYXok6dAj**	**2,99**
Proiect PN-III-P2-2.1-BG-2016-0349, Creșterea competitivității SC ELDON SRL prin optimizarea tehnologiei de fabricație a dulapurilor industriale de podea (EldonOptimTeh). Contractor: Universitatea Transilvania din Braşov Beneficiar: UEFISCDI/Societatea Comercială ELDON SRL Director de proiect: Prof.univ.dr. Mircea NEAGOE An 2016-2018 Suma alocata **69000 lei** Curs mediu BNR 1EUR= 4,5708LEI https://drive.unitbv.ro/s/7Ms9JyEYXok6dAj	**15,095**
Proiect nr. 3280/nr. 72197 din 1.10.2008 (2008-2011), Sisteme mecatronice complexe pentru aplicatii in medicina - SMART, Director Prof. dr. ing. Dorin Diaconescu. An 2009-2011 Suma alocata **16.500** lei Curs mediu BNR 1EUR= (4,2373+4,2099+4,2379)/3=4,2283LEI https://drive.unitbv.ro/s/7Ms9JyEYXok6dAj	**3,902**
Proiect CNCSIS tip A, contract nr. 4GR28.05.2007, tema 923 (2007-2008): Studii și simulări privind conceperea de noi variante de reductoare planetare cu raport cinematic și eficiență energetico economică ridicate, cu utilizare în sisteme de energii regenerabile	**17,948**

Contractor: Universitatea Transilvania din Braşov Director de proiect: Prof.dr. ing. Dorin DIACONESCU An 2007-2008 Suma alocata **63000** lei Curs mediu BNR 1EUR= (3,3373+3,6827)/2=3,51LEI **https://drive.unitbv.ro/s/7Ms9JyEYXok6dAj**	
Proiect CNCSIS tip A, contract nr. 33369/2004, tema 1330 (2004-2005), Contractor: Universitatea Transilvania din Braşov Director de proiect: Prof.dr. ing. Dorin DIACONESCU An 2004-2005 Suma alocata **105.000.000** lei (vechi) Curs mediu BNR 1EUR= (36234,38+40532,11)/2=38383,245LEI **https://drive.unitbv.ro/s/7Ms9JyEYXok6dAj**	**2,735**
Contract nr. 27684/2005, tema 6/1060 Denumirea: Modele, programe şi simulări pentru optimizarea dinamica a transmisiilor mecanice cu flux energetic ramificat, prin eliminarea defectelor structurale. Beneficiar: Ministerul Educaţiei şi Cercetării. Director: Jaliu, C. Autori: Diaconescu, D., Jaliu, C., Neagoe, M., Eftimie, E., Ciobanu, D., Săulescu, R., **Creţescu, N.**, Stud: Gall, R., Stud: Ochiş, D. An 2006 Suma alocata **1.000** lei Curs mediu BNR 1EUR= 3,5245 LEI https://drive.unitbv.ro/s/7Ms9JyEYXok6dAj	**0,283**
titluProiect:ECO-GT: Engineers Communicating and Collaborating Internationally for the Green Transition Anul 2024 1000 Eur https://drive.unitbv.ro/s/7Ms9JyEYXok6dAj	**1**
Total S2	**44,658**
Total S1+S2	**53,693**
N5 Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor/co-autor de lucrări, profesor invitat	**Punctaj**
The 9th International Conference on Mechanisms and Mechanical Transmissions MTM 2004, Cluj-Napoca, Romania, June 10th-12th, 2004. https://drive.unitbv.ro/s/9miDwLP69qnPJ2s	**1**
The 9th IFToMM International Symposium of Machine and Mechanisms Theory SYROM2005, September 1st-4th, 2005. Bucharest, Romania perioada:2005 CoefM:Conferinta https://drive.unitbv.ro/s/9miDwLP69qnPJ2s	**1**
The 4th International Conference Robotics'08, Brasov, November 13th – 14th, 2008. https://drive.unitbv.ro/s/9miDwLP69qnPJ2s	**1**
.The 10th IFToMM International Symposium on Science of Mechanisms and Machines SYROM 2009, Brasov, Romania, October 12th -15th, 2009. https://drive.unitbv.ro/s/9miDwLP69qnPJ2s	**1**
The International Conference on Robotics ROBOTICS'10, Cluj-Napoca, Romania, September 23rd – 25th, 2010. https://drive.unitbv.ro/s/9miDwLP69qnPJ2s	**1**
The 11th IFToMM International Symposium on Science of Mechanisms and Machines SYROM 2013, Brasov, Romania, November 11th -12th, 2013. https://drive.unitbv.ro/s/9miDwLP69qnPJ2s	**1**
The 6th International Conference on Advanced Concepts in Mechanical Engineering ACME 2014, June 12th – 13th, 2014. Iasi, Romania perioada:2014 CoefM:Conferinta https://drive.unitbv.ro/s/9miDwLP69qnPJ2s	**1**
The International Conference ICAMaT & Robotics & Polcom 2014, October 23rd – 24th , 2014. Bucharest, Romania perioada:2014 CoefM:Conferinta https://drive.unitbv.ro/s/9miDwLP69qnPJ2s	**1**
The Joint International Conference of the XII International Conference on Mechanisms and Mechanical Transmissions (MTM) and the XXIII International Conference on Robotics (Robotics '16), October 26th-27th, Aachen, Germany, 2016. https://drive.unitbv.ro/s/9miDwLP69qnPJ2s	**1**
The 5th Conference for Sustainable Energy (CSE) 2017, Brasov, Romania , October 19th-21st, 2017.	**1**

https://drive.unitbv.ro/s/9miDwLP69qnPJ2s		
World Conference on Robotics & Artificial Intelligence, Barcelona, Spain, July 26th – 28th, 2018. https://drive.unitbv.ro/s/9miDwLP69qnPJ2s		**1**
9th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2020, Iasi, Romania, 4-5 June 2020 perioada:2020 CoefM:Conferinta http://www.mec.legacy.tuiasi.ro/acme2020/ https://drive.unitbv.ro/s/9miDwLP69qnPJ2s		**1**
MMT Symposium, Guimaraes, Portugalia, 26-28 juin, 2024. https://drive.unitbv.ro/s/9miDwLP69qnPJ2s		**1**
Total N5		**13**
C Citări în cărți, reviste și volume ale unor manifestări științifice - cărți, ISI	**Factor de impact**	**Punctaj**
Citări ale articolului: **N. Rat,** M. Neagoe and G. Gogu, Theoretical and Experimental Research on the Dynamics of a 4DOF Isoglide 4-T3R1 Parallel Robot , 10th International Symposium on Science of Mechanisms and Machines, 2009, Pages: 387-+ , Accession Number: WOS:000289492600031 ISBN:978-90-481-3521-9 https://link.springer.com/chapter/10.1007/978-90-481-3522-6_31		
Simas, Henrique & Di Gregorio, Raffaele & Simoni, Roberto. (2022). TetraFLEX: Design and kinematic analysis of a novel self-aligning family of 3T1R parallel manipulators. Journal of Field Robotics. 39. 10.1002/rob.22067. https://www.researchgate.net/publication/358962356_TetraFLEX_Design_and_kinematic_analysis_of_a_novel_self-aligning_family_of_3T1R_parallel_manipulators	-	**1**
Gallardo-Alvarado, Jaime & Rodríguez-Castro, Ramón & Delossantos-Lara, PedroJ. (2018). Kinematics and dynamics of a 4- P RUR Schönflies parallel manipulator by means of screw theory and the principle of virtual work. Mechanism and Machine Theory. 122. 347-360. 10.1016/j.mechmachtheory.2017.12.022. https://www.sciencedirect.com/science/article/abs/pii/S0094114X17314908	-	**1**
Amine, Semaan & Mokhiamar, Ossama & Caro, Stéphane. (2016). Classification of 3T1R Parallel Manipulators Based on Their Wrench Graph. Journal of Mechanisms and Robotics. 9. 10.1115/1.4035188. https://asmedigitalcollection.asme.org/mechanismsrobotics/article-abstract/9/1/011003/473074/Classification-of-3T1R-Parallel-Manipulators-Based?redirectedFrom=fulltext	-	**1**
B. Long, C. Guohua, W. Liqing and M. Jing, "Control system design and simulation of three translational parallel robot," *2016 Asia-Pacific Conference on Intelligent Robot Systems (ACIRS)*, Tokyo, Japan, 2016, pp. 209-213, doi: 10.1109/ACIRS.2016.7556214. https://ieeexplore.ieee.org/document/7556214/references#references	-	**1**
Amine, Semaan & Nurahmi, Latifah & Wenger, Philippe & Caro, Stéphane. (2013). Conceptual Design of Schoenflies Motion Generators Based on the Wrench Graph. Proceedings of the ASME Design Engineering Technical Conference. 6. 10.1115/DETC2013-13084. https://hal.science/hal-00830400/document	-	**1**
Simas, H., Di Gregorio, R. and Simoni, R., 2022. TetraFLEX: Design and kinematic analysis of a novel self-aligning family of 3T1R parallel manipulators. *Journal of Field Robotics*, *39*(5), pp.617-630. https://onlinelibrary.wiley.com/doi/pdf/10.1002/rob.22067	-	**1**
Zhu Xiaorong, Zhao Lei, Shen Huiping, Dynamics Coupling Characteristics of 3T1R Decoupled Parallel Manipulator, Nongye Jixie Xuebao/Transactions of the Chinese Society for Agricultural MachineryVolume 54, Issue 9, Pages 448 - 458September 2023 http://www.j-csam.org/jcsamen/article/abstract/20230945	-	**1**
Citări ale articolului: **Cretescu, N.,** Neagoe, M., Saulescu. R. Dynamic Analysis of a Delta Parallel Robot with Flexible Links and Joint Clearances. Applied Sciences. 2023; 13(11):6693. https://doi.org/10.3390/app13116693. FI: 2.838, SRI: 0.885, ISSN: 2076-3417. Accession Number: WOS:001005445000001 **https://www.mdpi.com/2076-3417/13/11/6693**		
Hong, Jun-Ho & Lim, Ji-Ho & Lee, Euntaek & Shin, Dongwon. (2024). The Workspace Analysis of the Delta Robot Using a Cross-Section Diagram Based on Zero Platform. Machines. 12. 583. 10.3390/machines12080583. https://www.mdpi.com/2075-1702/12/8/583	-	**1**
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Simas, Henrique & Di Gregorio, Raffaele & Simoni, Roberto. (2022). TetraFLEX: Design and kinematic analysis of a novel self-aligning family of 3T1R parallel manipulators. Journal of Field Robotics. 39. 10.1002/rob.22067. https://onlinelibrary.wiley.com/doi/epdf/10.1002/rob.22067	-	**1**
B. Long, C. Guohua, W. Liqing and M. Jing, "Control system design and simulation of three translational parallel robot," 2016 Asia-Pacific Conference on Intelligent Robot Systems (ACIRS), Tokyo, Japan, 2016, pp. 209-213, doi: 10.1109/ACIRS.2016.7556214. https://ieeexplore.ieee.org/document/7556214/references#references	-	**1**
Shen Huiping, Kong Xiangchao, Li Ju, Ye Pengda, Topological Design and Analysis of Novel 2T1R Parallel Mechanism with Symbolic Forward Solutions and Motion Decoupling, Nongye Jixie Xuebao/Transactions of the Chinese Society for Agricultural MachineryVolume 55, Issue 5, Pages 449 - 458May 2024 DOI 10.6041/j.issn.1000-1298.2024.05.043 http://www.j-csam.org/jcsamen/article/pdf/20240543	-	**1**
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Total C		**40**

Braşov, 07.07.2025 Conf. Dr. Ing. Nadia Ramona CREȚESCU