



Universitatea
Transilvania
din Braşov

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Condiții minimele și obligatorii						
Domeniul de activitate		Indicatori	Conferențiar	Profesor	CSII	CSI
Activitatea didactică / profesională (A1)	A1.1	N1	2	2	Nu se aplică	Nu se aplică
		N1.1	0	1		
		N1.3	1	1		
	A1.2	N2	3	4		
		N2.1	1	2		
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	10	5	10
		P1	3	6	3	6
	A2.2	N3	8	10	8	10
		N3.1	3	5	3	5
	A2.4 + A2.5	N4	1	2	1	2
		N4.3	0	1	0	1
Recunoașterea impactului activității (A3)	A3.1	S1 + S2	10	50	10	50
	A3.2	N5	5	10	5	10
	A3.3	C	10	25	10	25

unde:
 P 1 = 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.

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A1.1 Manuale suport de curs

N1 = N1.1 + N1.2

Total N1

8

N1.1 Manuale suport curs format tipărit / electronic, min. 100 pag. (autor)

Total N1.1

3

Nr.crt.	Denumire	Punctaj
1.	Neagoe, M., Diaconescu, D. Mecanisme. Bazele structurii mecanismelor. Mecanisme cu roți dințate, Ed. Universității Transilvania, Brașov, 2004, ISBN: 973-635-312-5 (175 p.)	1
2.	Neagoe, M., Diaconescu, D., Jaliu, C., Saulescu, R. Mecanisme. Curs pentru învățământ cu frecvență redusă, Reprografia Universității Transilvania, Brașov, 2010 (172 p.)	1
3.	Neagoe, M. Inteligență Artificială și Sisteme Expert. Curs pentru învățământ la distanță, Reprografia Universității Transilvania, Brașov, 2018 (153 p.)	1

N1.2 Manuale suport curs format tipărit / electronic, min. 100 pag. (co-autor)

Total N1.2

5

Nr.crt.	Denumire	Punctaj
1.	Jaliu, C., Diaconescu, D., Neagoe, M. , Săulescu, R. Gear Mechanisms. Structure-Kinematics-Dynamics, Ed. Universității Transilvania, Brașov, 2006, ISBN: 973-635-623-X (196 p.)	1
2.	Diaconescu, D., Neagoe, M. , Jaliu, C., Săulescu, R. Products' Conceptual Design, Ed. Universității Transilvania, Brașov, 2010, ISBN 978-973-598-230-0 (277 p.)	1
3.	Ciobotă, M., Talabă, D., Pozna Cl., Neagoe, M. , Lihtetchi, I., Brădău, H. Transmisii cu reductoare armonice. Teorie și proiectare, Ed. Aldus, Brașov, 1997, ISBN: 973-9314-34-1 (139 p.)	1
4.	Daj, I., Ciobotă, M., Neagoe, M. Proiectarea asistată a aparatelor de mecanică fină cu aplicații de proiectare asistată, Ed. Lux Libris, Brașov, 2002, ISBN: 973-9458-03-3 (225 p.)	1
5.	Săulescu, R., Ciobanu, D., Neagoe, M. , Jaliu, C. Mecanisme – suport de curs. Elemente de teorie aplicată, Ed. Universității Transilvania, Brașov, 2016, ISBN: 978-606-19-0850-9 (149 p.)	1

N1.3 Manuale suport curs format electronic disponibil pe platforma universității (autor)

Total N1.3

11

Nr.crt.	Denumire	Punctaj
1.	Neagoe, M. Mecanisme. Curs pentru IFR (II AR – IFR și II IM – IFR), suport de curs în format electronic disponibil pe platforma e-learning a Universității Transilvania din Brașov https://elearning.unitbv.ro/	1
2.	Neagoe, M. Inteligență artificială și sisteme expert. Curs pentru ID (III IEI – ID), https://elearning.unitbv.ro/	1
3.	Neagoe, M. Design Conceptual (III Design Industrial – IF, în lb. engleză), https://elearning.unitbv.ro/	1
4.	Neagoe, M. Mecanisme (II IEI+IMA – IF), https://elearning.unitbv.ro/	1
5.	Neagoe, M. Inteligență Artificială și Sisteme Expert (III IEI – IF), https://elearning.unitbv.ro/	1
6.	Neagoe, M., Săulescu, R. Proiectare avansată în inginerie (I master DPDM – IF), https://elearning.unitbv.ro/	1
7.	Neagoe, M. Sisteme de Orientare a Conversoarelor Solare (II master DPDM – IF), https://elearning.unitbv.ro/	1
8.	Neagoe, M. Dezvoltare Integrată de Produs (II master DPDM – IF), https://elearning.unitbv.ro/	1
9.	Neagoe, M. Eco-design (III ISER – IF), https://elearning.unitbv.ro/	1
10.	Neagoe, M. Evaluarea ciclului de viață al produselor (I master DPDM – IF), https://elearning.unitbv.ro/	1
11.	Neagoe, M. Produse Inteligente (IV ISER – IF), https://elearning.unitbv.ro/	1

N2 = N2.1 + N2.2

Total N2

10

N2.1 [Standuri de laborator \(construcție/modernizări\)](#)

Total N2.1

4

Nr.crt.	Denumire	Punctaj
1.	Stand pentru aplicații robotizate cu robotul ABB IRB2400L, L11 - ICDT	1
2.	Stand pentru aplicații robotizate cu robotul ABB IRB140, L11 - ICDT	1
3.	Stand pentru aplicații pick-and-place cu robotul SCARA Mitsubishi RH-12SDH, L11 - ICDT	1
4.	Stand pentru testarea colectoarelor solar-termice orientate, L7 - ICDT	1

N2.2 [Îndrumar de laborator / carte aplicații format tipărit sau electronic \(autor, co-autor\)](#)

Total N2.1

6

Nr.crt.	Denumire	Punctaj
1.	Neagoe, M., Vântu, M., Săulescu, R., Crețescu, N. Elemente de Inteligență Artificială. Îndrumar de laborator, Universitatea Transilvania din Brașov, 2004 (55 p.)	1
2.	Jaliu, C., Diaconescu, D., Neagoe, M., Ciobanu, D., Săulescu, R. Applications of Mechanisms Analysis and Synthesis, Ed. Universității Transilvania din Brașov, 2003, ISBN: 973-635-155-6 (137 p.)	1
3.	Săulescu, R., Neagoe, M., Jaliu, C., Climescu, O. Mecanisme cu roți dințate, Universitatea Transilvania Brașov, 2014, CD (184. p.)	1
4.	Diaconescu, D., Gogu, Gr., Munteanu, O., Starețu, I., Jaliu, C., Neagoe, M., Brădău, H., Stroe, I. Îndrumar de lucrări aplicative la mecanisme. Partea I. Universitatea Transilvania Brașov, 1997 (122 p.)	1
5.	Alexandru, P., Vișa, I., Bobancu, Ș., Talabă, D., Alexandru, C., Neagoe, M., Brădău, H. Mecanisme. Lucrări de laborator, Universitatea Transilvania Brașov, 1998 (112 p.)	1
6.	Starețu, I., Neagoe, M. Sisteme de prehensiune. Îndrumar pentru lucrări de laborator și proiect. Universitatea Transilvania din Brașov, 2000 (154 p.)	1

A2.1 Articole și publicații științifice indexate Web of Science Thomson Reuters (WOS), unde n = nr. de autori și FI este factorul de impact

$$P1 = P1.1 + P1.2 + P1.3 + P1.4$$

Total P1

66,828

P1.1 Autor corespondent / prim autor, $n \leq 3$, $P1.1 = 2 \cdot (0,2 + FI)$

Total P1.1

33,156

Nr.crt.	Lucrare			Punctaj
	Denumire	FI	Nr. autori	
1.	Saulescu, R., Neagoe, M. , Jaliu, C. Conceptual Synthesis of Speed Increaseers for Wind Turbine Conversion Systems , Energies, 2018, 11(9), 2257, pp. 1-33, ISSN: 1996-1073, DOI: 10.3390/en11092257, WOS:000446604500078	2,676	3	5,752
2.	Neagoe, M. , Saulescu, R., Jaliu, C. Design and Simulation of a 1 DOF Planetary Speed Increaseer for Counter-Rotating Wind Turbines with Counter-Rotating Electric Generators , Energies 2019, 12(9), 1754, ISSN 1996-1073, DOI: 10.3390/en12091754, pp. 1-19, ISSN:1996-1073, WOS:000469761700170	2,702	3	5,804
3.	Neagoe, M. , Saulescu, R. Comparative Energy Performance Analysis of Four Wind Turbines with Counter-Rotating Rotors in Steady-State Regime , Energy Reports 2022, 8, p. 1154-1169, ISSN: 2352-4847, DOI: 10.1016/j.egyr.2022.07.092, WOS: 000841651400062	5,200	2	10,8
4.	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, DOI:10.3390/app13116693, WOS:001005445000001	2,500	3	5,4
5.	Saulescu, R., Neagoe, M. Dynamic Response of a Single-Rotor Wind Turbine with Planetary Speed Increaseer and Counter-Rotating Electric Generator in Starting Transient State , Applied Sciences 2025, 15, 191, ISSN: 2076-3417, DOI:10.3390/app15010191, WOS:001393444500001	2,500	2	5,4

P1.2 Autor corespondent / prim autor, $n \geq 4$, $P1.2 = 2 \cdot 3 \cdot (0,2 + FI) / n$

Total P1.2

26,294

Nr.crt.	Lucrare			Punctaj
	Denumire	FI	Nr. autori	
1.	Neagoe, M. , Saulescu, R., Jaliu, C., Simionescu, P.A. A Generalized Approach to the Steady-State Efficiency Analysis of Torque-Adding Transmissions Used in Renewable Energy Systems , Energies 2020, 13, 4568, pp. 1-18, ISSN 1996-1073, DOI:10.3390/en13174568, WOS:000570321100001	3,004	4	4,806
2.	Saulescu, R., Neagoe, M. , Jaliu, C., Munteanu, O. A Comparative Performance Analysis of Counter-Rotating Dual-Rotor Wind Turbines with Speed-Adding Increaseers , Energies 2021, 14, 2594, p. 1-24, ISSN: 1996-1073, DOI:10.3390/en14092594, WOS: 000650300900001	3,252	4	5,178
3.	Neagoe, M. , Saulescu, R., Jaliu, C., Neagoe, I. Dynamic Analysis of a Single-Rotor Wind Turbine with Counter-Rotating Electric Generator under Variable Wind Speed , Applied Sciences 2021, 11(19):8834, p. 1-21, ISSN: 2076-3417, DOI:10.3390/app11198834, WOS: 000650300900001	2,838	4	4,557
4.	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, ISSN: 2076-3417, DOI:10.3390/app12094233, WOS: 000794733500001	2,700	5	3,480
5.	Saulescu, R., Jaliu, Neagoe, M. , Ciobanu, D., Cretescu, N. Comparative analysis of torque-adding wind energy conversion systems with a counter-rotating vs.	2,600	5	3,360

	conventional electric generator . Frontiers in Energy Research 11, pp. 1–14, 2023, ISSN: 2296-598X, DOI:10.3389/fenrg.2023.1215509, WOS:001049084500001			
6.	Burduhos, B., Visa, I., Duta, A., Neagoe, M. Analysis of the Conversion Efficiency of Five Types of Photovoltaic Modules During High Relative Humidity Time Periods , August 2018, IEEE Journal of Photovoltaics (99):1–9, ISSN: 2156-3381, DOI: 10.1109/JPHOTOV.2018.2861720, WOS:000448898400043	3,075	4	4,913

P1.3 Co-autor, $n \leq 3$, $P1.3 = 0,2 + FI$

Total P1.3 0

Nr.crt.	Lucrare			Punctaj
	Denumire	FI	Nr. autori	
1.				

P1.4 Co-autor, $n \geq 4$, $P1.4 = 3 \cdot (0,2 + FI) / n$

Total P1.4 7,378

Nr.crt.	Lucrare			Punctaj
	Denumire	FI	Nr. autori	
1.	Burduhos, B.G., Visa, I., Neagoe, M. , Badea, M. Modeling and optimization of the global solar irradiance collecting efficiency , International Journal of Green Energy, Volume 12, Issue 7, July 2015, pp. 743–755, ISSN: 1543-5075, DOI:10.1080/15435075.2014.884499, WOS:000350997900009	1,601	4	1,351
2.	Visa, I., Burduhos, B., Neagoe, M. , Moldovan, M., Duta, A. Comparative analysis of the infield response of five types of photovoltaic modules , Renewable Energy, Volume 95, September 2016, Pages 178–190, ISSN: 0960-1481, DOI: 10.1016/j.renene.2016.04.003, WOS:000377311000016	4,9	5	3,060
3.	Jaliu, C., Diaconescu, D.V., Neagoe, M. , Săulescu R. The eco-impact of small hydro implementation , Environmental Engineering and Management Journal, July/August 2009, Vol.8, No.4, pp. 837–841, “Gheorghe Asachi” Technical University of Iasi, Romania, ISSN: 1582-9596, DOI: 10.30638/eemj.2009.118, WOS:000269811500035	0,885	4	0,814
4.	Burduhos, B., Toma, C., Neagoe, M. , Moldovan, M. Pseudo-Equatorial Tracking Optimization For Small Photovoltaic Platforms From Toronto/Canada , Environmental Engineering and Management Journal, July/August 2011, Vol. 10, No. 8, pp. 1059–1068, “Gheorghe Asachi” Technical University of Iasi, Romania, ISSN: 1582-9596, DOI: 10.30638/eemj.2011.154, WOS:000296758300011	1,334	4	1,151
5.	Devetaković, M., Djordjević, D., Radojević, M., Krstić-Furundžić, A., Burduhos, B.G., Martinopoulos, G., Neagoe, M. , Lobaccaro, G. Photovoltaics on Landmark Buildings with Distinctive Geometries , Applied Sciences 2020, 10, 6696, pp. 1–22, ISSN: 2076-3417, DOI:10.3390/app10196696, Accession Number: WOS:000587223200001	2,474	8	1,003

N3 = N3.1 + N3.2

Total N3

53

N3.1 Autor corespondent / prim autor			Total N3.1	21
Nr.crt.	Denumire	Punctaj		
1.	Neagoe, M., Saulescu, R., Jaliu, C., Cretescu, N. Novel Speed Increaser used in Counter-Rotating Wind Turbines , Proceedings of The Joint International Conference of the XII International Conference on Mechanisms and Mechanical Transmissions (MTM) and the XXIII International Conference on Robotics (Robotics '16), Aachen, 26-27 October 2016, New Advances in Mechanisms, Mechanical Transmissions and Robotics, Editors Burkhard Corves, Erwin-Christian Lovasz, Mathias Husing, Inocentiu Maniu, Corina Gruescu, Ed. Springer, pp. 143-151, ISBN 978-3-319-45449-8, Mechanisms and Machine Science 46, DOI 10.1007/978-3-319-45450-4_15. Accession Number: WOS:000404231000015	1		
2.	Neagoe, M., Vatașescu, M., Saulescu, R., Creanga, N. On New High Performance Systems with Linear Actuators for Diurnal Orientation of PV Platforms , Applied Mechanics and Materials, Vol. 162, 2012, ISSN: 1662-7482, pp. 214-223, ISSN/ISO: Applied Mechanics and Materials. Periodical of Applied Mechanics and Materials with the title Mechanisms, Mechanical Transmissions and Robotics, ISBN-13: 978-3-03785-395-5, DOI: 10.4028/www.scientific.net/AMM.162.214. Accession Number: WOS:000309782300025	1		
3.	Neagoe, M., Gogu, G., Diaconescu, D. High degree accuracy modelling and calibration of serial robots with large errors , in Product Engineering. Eco-design, Technologies and Green Energy, Editors: Talaba, D., Roche, Th., Springer Pub., 2004, pp. 397-408, ISBN: 1-4020-2932-2. Accession Number: WOS:000229728300023	1		
4.	Neagoe, M., Cretescu N., Saulescu, R. Dynamic modelling of a 3DOF medical parallel robot with one decoupled motion , Advanced Materials Research, ISSN: 1662-8985, Vol. 837, p. 594-599, 2013, DOI: 10.4028/www.scientific.net/AMR.837.594. Accession Number: WOS:000337000500103	1		
5.	Neagoe, M., Diaconescu, D.V., Jaliu, C., Pascale, L., Săulescu, R., Siscă, S. On a New Cycloidal Planetary Gear used to Fit Mechatronic Systems of RES , OPTIM 2008. Proceedings of the 11th International Conference on Optimization of Electrical and Electronic Equipment. Vol. II-B. Renewable Energy Conversion and Control. May 22-23.08, Brașov, pp. 439-449, IEEE Catalog Number 08EX1996. ISBN 987-973-131-028-2. Accession Number: WOS:000258258700072	1		
6.	Visa, I., Neagoe, M., Moldovan, M.D. Structural Synthesis of Planar Geared Linkage Mechanisms as Multibody Systems , Proceedings of The Joint International Conference of the XII International Conference on Mechanisms and Mechanical Transmissions (MTM) and the XXIII International Conference on Robotics (Robotics '16), Aachen, 26-27 October 2016, New Advances in Mechanisms, Mechanical Transmissions and Robotics, Editors Burkhard Corves, Erwin-Christian Lovasz, Mathias Husing, Inocentiu Maniu, Corina Gruescu, Ed. Springer, pp. 99-106, ISBN 978-3-319-45449-8, Mechanisms and Machine Science 46, DOI 10.1007/978-3-319-45450-4_10. Accession Number: WOS:000404231000010	1		
7.	Cretescu, N., Neagoe, M., Saulescu, R. Kinematic and Dynamic Analysis of a 4DOF Parallel Robot with Flexible Links , Proceedings of The Joint International Conference of the XII International Conference on Mechanisms and Mechanical Transmissions (MTM) and the XXIII International Conference on Robotics (Robotics '16), Aachen, 26-27 October 2016, New Advances in Mechanisms, Mechanical Transmissions and Robotics, Editors Burkhard Corves, Erwin-Christian Lovasz, Mathias Husing, Inocentiu Maniu, Corina Gruescu, Ed. Springer, pp. 473-481, ISBN 978-3-319-45449-8, Mechanisms and Machine Science 46, DOI 10.1007/978-3-319-45450-4_48. Accession Number: WOS:000404231000048	1		
8.	Visa, I., Neagoe, M., Moldovan, M., Comsit, M. Solar tracking parallel linkage applicable for all latitudes , in I. Doroftei et al. (eds.), New Advances in Mechanism and Machine Science, Mechanisms and	1		

	Machine Science 57, Springer International Publishing, DOI: 10.1007/978-3-319-79111-1_1, ISBN 978-3-319-79111-1, 2018, pp. 3-11 Indexat SCOPUS	
9.	Saulescu, R., Neagoe, M. , Jaliu, C. Modelling of the static response of a wind/hydro turbine with two rotors and a 1DOF speed increaser , in I. Doroftei et al. (eds.), New Advances in Mechanism and Machine Science, Mechanisms and Machine Science 57, https://doi.org/10.1007/978-3-319-79111-1_32 , Springer International Publishing, ISBN 978-3-319-79111-32, 2018, pp. 321-329	1
10.	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. Indexat SCOPUS	1
11.	Neagoe, M. , Saulescu, R., Munteanu, O., Burduhos, B. Low Speed Linear Actuator for Accurate Orientation of Concentrated Solar Convertors , Applied Mechanics and Materials Vol. 658 (2014), pp 99-104, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.658.99. Indexat SCOPUS	1
12.	Neagoe, M. , Visa, I., Burduhos, B.G., Moldovan, M.D. Thermal Load based Adaptive Tracking for Flat Plate Solar Collectors , Energy Procedia, Vol. 48, 2014, pp. 1401-1411, DOI: 10.1016/j.egypro.2014.02.158. Indexat SCOPUS	1
13.	Vişa, I., Vătăşescu Porca, M., Neagoe, M. , Burduhos, B. G. One-DOF mechanisms for dual-axis solar tracking , The 11th IFToMM International Symposium on Science of Mechanisms and Machines- SYROM 2013, Braşov, 11-12 November 2013, Ed. Springer, pp. 481-491, ISBN: 978-3-319-01844-7, ISSN: 2211-0984, DOI 10.1007/978-3-319-01845-4_48. Indexat SCOPUS	1
14.	Neagoe, M. , Saulescu, R., Jaliu, C. Power Flow Modelling in a Planetary Speed Increaser for Wind Turbines with Counter-rotating Electric Generator , Proceedings of 15th World IFToMM Congress in Mechanism and Machine Science, Krakow, Poland, 30 June-4 July, 2019, in Uhl, T. (ed.), Advances in Mechanism and Machine Science, Mechanisms and Machine Science 73, Springer Nature Switzerland AG, ISBN 978-3-030-20130-2, 2019, pp. 957-966, DOI 10.1007/978-3-030-20131-9_95. Indexat SCOPUS	1
15.	Neagoe, M. , Saulescu, R., Jaliu, C. Comparative Performance Analysis of Two Chain Planetary Speed Increasers for Micro-Hydro/Wind Conversion Systems , Proceedings of the 5th International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET), 26-27 August 2019, Istanbul, Turkey, IEEE, ISBN: 978-1-7281-2301-1, pp. 1-6, DOI: 10.1109/PGSRET.2019.8882732. Indexat SCOPUS	1
16.	Neagoe, M. , Jaliu, C., Saulescu, R., Simionescu P.A. Steady-State Response of a Dual-Rotor Wind Turbine with Counter-Rotating Electric Generator and Planetary Gear Increaser , Proceedings of 1st Symposium on Mechanical Systems & Robotics, May 14-16, 2020 Rapid City, South Dakota, USA, USCToMM MSR 2020, in Larochelle, P., McCarthy, M. (ed.), Proceedings of the 2020 USCToMM Symposium https://rd.springer.com/chapter/10.1007/978-3-030-43929-3_10 Indexat SCOPUS	1
17.	Saulescu, R., Neagoe, M. , Cretescu, N. Comparative Analysis of Two Wind Turbines with Counter-Rotating vs. Fixed-Stator Electric Generator , 9th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2020, Iasi, Romania, 4-5 June 2020, IOP Conference Series: Materials Science and Engineering, Volume 997, Issue 1, 012091, pp. 1-8, 24 December 2020, ISSN: 1757-8981, https://iopscience.iop.org/article/10.1088/1757-899X/997/1/012091/pdf Indexat SCOPUS	1
18.	Neagoe, M. , Saulescu, R., Jaliu C., Cretescu, N. Efficiency Analysis of a Planetary Speed Increaser for Wind Turbines with Counter-Rotating Versus Fixed-Stator Electric Generator , 2020 7th International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), Ruse, 2020, pp. 1-4, doi: 10.1109/EEAE49144.2020.9279068 revista:7th International Conference on Energy Efficiency https://ieeexplore.ieee.org/document/9279068/authors#authors Indexat SCOPUS	1

19.	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. publica?ie:Mechanisms and Machine Science issn:2211-0992, DOI: 10.1007/978-3-030-99826-4_3, Data:2022 nrAutori:4 WOS:000783302600003 Indexat WOS	1
20.	Cretescu, N., Neagoe, M. Dynamic Modelling of an Isoglide T3 Type Parallel Robot publica?ie:Mechanisms and Machine Science issn:2211-0984 Data:2021 nrAutori:2 DOI: 10.1007/978-3-030-60076-1_21 Indexat SCOPUS	1

N3.2 Autor corespondent / prim autor			Total N3.2	32
Nr.crt.	Denumire	Punctaj		
1.	Visa, I., Moldovan, M., Comsit, M., Neagoe, M., Duta, A. Facades Integrated Solar-thermal Collectors – Challenges and Solutions. Energy Procedia, Volume 112, March 2017, Pages 176–185, DOI: 10.1016/j.egypro.2017.03.1080. Accession Number: WOS:000404848300022	1		
2.	Saulescu, R., Neagoe, M., Jaliu, C. Improving the energy performance of wind turbines implemented in the built environment using counter-rotating planetary transmissions, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016, JUNE 9 – 10, 2016, IAȘI, ROMANIA, Materials Science and Engineering, Vol.147 (2016) pp 1-12, ISSN: 1757-899X, , doi:10.1088/1757-899X/147/1/012089. Accession Number: WOS:000390720200089	1		
3.	Saulescu, R., Neagoe, M., Munteanu, O., Cretescu, N. Performance analysis of a novel planetary speed increaser used in single-rotor wind turbines with counter-rotating electric generator, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016, JUNE 9 – 10, 2016, IAȘI, ROMANIA, Materials Science and Engineering, Vol.147 (2016) pp 1-12, ISSN: 1757-899X, , doi:10.1088/1757-899X/147/1/012090. Accession Number: WOS:000390720200090	1		
4.	Visa, I., Cotorcea, A., Neagoe, M., Moldovan, M. Adaptability of solar energy conversion systems on ships, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016, JUNE 9 – 10, 2016, IAȘI, ROMANIA, Materials Science and Engineering, Vol.147 (2016) pp 1-12, ISSN: 1757-899X, , doi:10.1088/1757-899X/147/1/012070. Accession Number: WOS:000390720200070	1		
5.	Visa, I., Cotorcea, A., Moldovan, M., Neagoe, M. Two degrees of freedom parallel linkage to track solar-thermal platforms installed on ships, 7th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2016, JUNE 9 – 10, 2016, IAȘI, ROMANIA, Materials Science and Engineering, Vol.147 (2016) pp 1-10, ISSN: 1757-899X, doi:10.1088/1757-899X/147/1/012071. Accession Number: WOS:000390720200071	1		
6.	Moldovan, M.D., Visa, I., Neagoe, M., Burduhos, B.G. Solar Heating & Cooling Energy Mixes to Transform Low Energy Buildings in Nearly Zero Energy Buildings, Energy Procedia, Vol. 48, 2014, pp. 924-937, DOI: 10.1016/j.egypro.2014.02.106 (ISI Proceedings). Accession Number: WOS:000345410700105	1		
7.	Raț, N.R., Neagoe, M., Diaconescu, D., Stan, S.D. Dynamic analysis of a Triglode parallel robot, 4th IEEE International Conference on Human System Interaction HSI 2011, Yokohama, Japan, May 19-21, 2011, ISSN: 2158-2246, Print ISBN: 978-1-4244-9638-9, DOI 10.1109/HSI.2011.5937373, p. 245 – 249. Accession Number: WOS:000392284600032	1		
8.	Raț, N.R., Neagoe, M., Diaconescu, D., Stan, S.D. Dynamic simulations regarding the influence of the load-rigidity correlation on the working accuracy of a medical Triglode parallel robot, MECHANIKA, 17(2), p. 178-181, 2011, ISSN 1392 – 1207. Accession Number: WOS:000290219700012	1		

9.	Jaliu, C., Săulescu, R., Diaconescu, D.V., Neagoe, M. Conceptual design of a chain speed increaser for small hydropower stations . Proceedings of the ASME 2009 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference IDETC/CIE 2009, August 30-September 2, 2009, San Diego, California, USA, ISBN: 978-0-7918-3856-3. Accession Number: WOS:000283272400035	1
10.	Jaliu, C., Visa, I., Diaconescu, D.V., Săulescu, R., Neagoe, M. , Climescu, O. Dynamic Model of a Small Hydropower Plant . OPTIM 2010, Proceedings of the 12th International Conference on Optimization of Electrical and Electronic Equipment. Renewable Energy Conversion and Control. May 20-21 2010, Brasov, pp. 1216-1223. ISSN: 1842-0133, ISBN 978-973-131-080-0, DOI: 10.1109/OPTIM.2010.5510517. Accession Number: WOS:000291967300182	1
11.	Rat, N.R., Neagoe, M. , Stan, S.D. Comparative Dynamic Analysis of Two Parallel Robots , The 2010 International Conference on Robotics (ROBOTICS'10), Cluj-Napoca, Romania, September 23-25, 2010, In Robotics and Automation Systems, Solid State Phenomena Vols. 166-167 (2010) pp 345-356, Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/SSP.166-167.345. Accession Number: WOS:000289532000055 .	1
12.	Jaliu, C., Diaconescu, D.V., Neagoe, M. , Săulescu, R., Vătăşescu, M. Conceptual Synthesis of Speed Increases for Renewable Energy Systems , The 10th IFToMM International Symposium on Science of Mechanisms and Machines, Braşov, SYROM 2009, September 12-15, pp. 171-183, 2009, ISBN: 978-90-481-3521-9, Springer Heidelberg Dordrecht London New York, DOI: 10.1007/978-90-481-3522-6_13. Accession Number: WOS:000289492600013	1
13.	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. Accession Number: WOS:000289492600031	1
14.	Rat, N.R., Neagoe, M. , Diaconescu, D., Stan, D.S., Bălan, R. Dynamic modeling and VR Simulation of 3DOF medical parallel robots , Chapter in Technological Developments in Education and Automation, pp. 297-302, Magued Iskander, Vikram Kapila and Mohammad A. Karim (Ed.), Springer Netherlands Pub. ISBN 978-90-481-3655-1 (Print) 978-90-481-3656-8 (Online), 2010, DOI: 10.1007/978-90-481-3656-8_55. Accession Number: WOS:000281247800055	1
15.	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: 10.1109/DEST.2009.5276749. Accession Number: WOS:000279101500044	1
16.	Jaliu, C., Diaconescu, D.V., Neagoe, M. , Săulescu R. Dynamic features of speed increasers from mechatronic wind and hydro systems. Part I. Structure, Kinematics . Proceedings of EUCOMES 08. The Second European Conference on Mechanism Science, Cassino, Italia, pp. 355-363, 17- 20 September 2008, Ed. Springer, ISBN 987-1-4020-8914-5, DOI: 10.1007/978-1-4020-8915-2_43. Accession Number: WOS:000264665300043	1
17.	Jaliu, C., Diaconescu, D.V., Neagoe, M. , Săulescu R. Dynamic features of speed increasers from mechatronic wind and hydro systems. Part II. Dynamic aspects . Proceedings of EUCOMES 08. The Second European Conference on Mechanism Science, Cassino, Italia, pp.365-373, 17-20 Septembrie 2008, Ed. Springer, ISBN 987-1-4020-8914-5, DOI: 10.1007/978-1-4020-8915-2_44. Accession Number: WOS:000264665300044	1
18.	Jaliu, C., Diaconescu, D., Săulescu, R., Neagoe, M. Conversion Analysis of A Planetary Chain-Set Speed Reducer into A Speed Increaser to Be Used in RES , 3rd International Conference on Mechanical Engineering and Mechanics, Oct 21-23, 2009, China, Vols 1 and 2, pp. 767-770, ISBN:978-1-933100-33-3. Accession Number: WOS:000276388000135	1

19.	Dudita, F., Neagoe, M. , Gogu, G. On the Kinematic Calibration of a Stewart Platform . In: Gogu, Gr., Coutellier, D., Chedmail, P., Ray, P. Recent Advances in Integrated Design and Manufacturing in Mechanical Engineering, Kluwer Academic Pub., pp.117–128, 2003, ISBN 1-4020-1163-6. Accession Number: WOS:000183256500012	1
20.	Pozna, C., Borza, P., Neagoe, M. Control of the balancing for biped robot . Proc. of the 8th International Symposium on Measurement and Control in Robotics ISMCR'98, Prague, Czech Republic, pp. 291-296, 1998, ISBN:80-01-01814-8. Accession Number: WOS:000082991100044	1
21.	Cretescu N., Neagoe, M. , Saulescu, R. Kinematic modelling and VR simulation of a 3DOF medical parallel robot with one decoupled motion , Advanced Materials Research, ISSN: 1662-8985, Vol. 837, p. 567-572, 2013, DOI: 10.4028/www.scientific.net/AMR.837.567. Accession Number: WOS:000337000500098	1
22.	Saulescu, R., Neagoe, M. , Velicu, R. Comparative analysis of 1DOF vs. 2DOF speed increasers for counter-rotating wind turbines , 8th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2018, Iasi, Romania; 7 -8 June 2018, IOP Conference Series: Materials Science and Engineering, Volume 444, Issue 5, 052007, pp. 1-12, 29 November 2018, ISSN: 17578981, DOI: 10.1088/1757-899X/444/5/052007 Indexat SCOPUS	1
23.	Visa, I., Neagoe, M. , Moldovan, M. Algorithm for Structural Synthesis of Planar Mechanisms as Multibody Systems , Proceedings of 14th IFToMM World Congress, Taipei, Taiwan, October 25-30, 2015, DOI: 10.6567/IFTToMM.14TH.WC.OS8.029. Indexat SCOPUS	1
24.	Moldovan, M., Visa, I., Neagoe, M. Optimising the Strokes and Loads of the Linear Actuators in a Two Degrees of Freedom Linkage Used in Solar Tracking Systems , Proceedings of 14th World Congress in Mechanism and Machine Science, Taipei, Taiwan, 25-30 October, 2015, DOI 10.6567/IFTToMM.14TH.WC.OS16.009. Indexat SCOPUS	1
25.	Burduhos, B.G., Neagoe, M. , Duta, A. Adaptive Stepwise Orientation Algorithm for Non-concentrated Dual-Axis Solar Tracking Systems , Proceedings of 14th World Congress in Mechanism and Machine Science, Taipei, Taiwan, 25-30 October, 2015, DOI 10.6567/IFTToMM.14TH.WC.OS16.006. Indexat SCOPUS	1
26.	Jaliu, C., Neagoe, M. , Săulescu, R., Dobre, E.B. Low-speed actuator used in solar tracking systems , The 11th IFToMM International Symposium on Science of Mechanisms and Machines-SYROM 2013, Braşov, 11-12 November 2013, Ed. Springer, pp. 381-389, ISBN: 978-3-319-01844-7, ISSN: 2211-0984, DOI 10.1007/978-3-319-01845-4_38. Indexat SCOPUS	1
27.	Săulescu, R., Munteanu, O., Neagoe, M. , Creţescu, N., On the eccentricity effects in solar tracking triangular linkage with linear actuator , The 11th IFToMM International Symposium on Science of Mechanisms and Machines-SYROM 2013, Braşov, 11-12 November 2013, DOI: 10.1007/978-3-319-01845-4_21. Indexat SCOPUS	1
28.	Visa, I., Neagoe, M. , Moldovan, M., Comsit, M. Structural Synthesis of Parallel Linkages by Multibody Systems Method , Applied Mechanics and Materials Vol. 658 (2014) pp 153-158, Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/AMM.658.153. Indexat SCOPUS	1
29.	Simionescu P.A., Neagoe, M. Cam Profiles Generation as Follower Envelopes with MATLAB Programs , Proceedings of 1st Symposium on Mechanical Systems & Robotics, May 14-16, 2020 Rapid City, South Dakota, USA, USCToMM MSR 2020, in Larochele, P., McCarthy, M. (ed.), Proceedings of the 2020 USCToMM Symposium on Mechanical Systems and Robotics, Mechanisms and Machine Science Vol. 83, Springer. Indexat SCOPUS	1
30.	Burduhos, B., Visa, I., Neagoe, M. , Cretescu, N. Simulated vs. produced electrical energy of a 9.6 kWp PV system installed in a mountain temperate climate , Journal of Science and Arts, No. 1(50), pp. 215-224, 2020, ISSN 2068-3049, Journal of Science and Arts , 2020 nrAutori:4 WOS:000522184600024	1

A2.3 Brevete de invenții indexate (n = nr. de autori)

P2.2 = P2.2-2 + P2.2-4

Total P2.2 8,06

P2.2-2 [Autor corespondent / prim autor, \$n \geq 4\$, \$P2.2-2 = 2 \cdot 3 \cdot \(0,2 + 0,5\) / n\$](#)

Total P2.2-2 3,54

Nr.crt.	Denumire	nr. autori	calcul punctaj
1.	Neagoe, M., Săulescu, R., Jaliu, C., Munteanu, O., Crețescu, N. Sistem eolian contrarotativ monomobil. Brevet de invenție nr. RO 131512B1/30.03.2022	5	0,84
2.	Neagoe, M., Săulescu, R., Jaliu, C., Munteanu, O. Sistem eolian cu turbine contrarotite și amplificator de turație. Brevet de invenție Nr. RO 133355B1/30.12.2024.	4	1,05
3.	Neagoe, M., Vișa, I., Săulescu, R., Barsan, L., Crețescu, N., Moldovan, M.D., Burduhos, B.G. Dispozitiv și metodă de ghidare plan-paralelă. Brevet de invenție Nr. RO 133154B1/30.01.2025	7	0,60
4.	Neagoe, M., Săulescu, R., Jaliu, C., Munteanu, O. Amplificator de turație planetar reglabil reconfigurabil pentru turbine eoliene și metodă de reglare a acestuia. Brevet de invenție Nr. RO 134401B1/28.02.2025.	4	1,05

P2.2-4 [Co-autor, \$n \geq 4\$, \$P2.2-4 = 3 \cdot \(0,2 + 0,5\) / n\$](#)

Total P2.2-4 4,52

Nr.crt.	Denumire	nr. autori	calcul punctaj
5.	Diaconescu, D., Neagoe, M., Jaliu, C., Săulescu, R., Țoțu, V., Pascale, L. Transmisie cicloidă cu role, Brevet de invenție Nr. RO125177 B1/30.11.2011	6	0,35
6.	Diaconescu, D., Jaliu, C., Neagoe, M., Munteanu, O., Săulescu, R., Climescu, O., Tohăneanu, D. Transmisie planetară cu lanț, Brevet de invenție Nr. RO128109 B1/30.07.2014	7	0,30
7.	Diaconescu, D., Jaliu, C., Neagoe, M., Munteanu, O., Săulescu, R., Climescu, O., Ciobanu, D., Burduhos, B. Transmisie planetară, Brevet de invenție nr. RO 126694 B1/28.08.2015	8	0,26
8.	Vișa, I., Diaconescu, D., Neagoe, M., Eftimie, E., Șerban, C., Moldovan, M., Săulescu, R., Porca Vătășescu, M., Burduhos, B., Țoțu, I. Mecanism de orientare monoaxială cu două actuatore, Brevet de invenție nr. RO 127979 B1/30.05.2016	9	0,23
9.	Vișa, I., Dombi, V., Neagoe, M., Moldovan, M., Săulescu, R., Țoțu, I., Badea, M., Porca Vătășescu, M., Șerban, C., Metodă de reglare a unui colector solar termic plan, Brevet de invenție nr. RO 127678/30.10.2018	9	0,23
10.	Vișa, I., Comșit, M., Duță, A., Neagoe, M., Săulescu, R., Ciobanu, D., Moldovan, M., Burduhos, B., Perniu, D., Eneșca, I.A., Isac, L.A., Mihoreanu, C., Ienei, E.C., Țoțu, I. Colector solar termic modular pentru optimizarea prin testare a eficienței conversiei și creșterea acceptanței arhitecturale, Brevet de invenție nr. RO 130275/30.06.2020	14	0,15
11.	Vișa, I., Diaconescu, D., Neagoe, M., Moldovan, M., Săulescu, R., Porca Vătășescu, M., Burduhos, B., Țoțu, I., Șerban, C., Grigorescu, C.M. Mecanism de orientare cu două actuatore liniare în paralel pentru șiruri fotovoltaice, Brevet de invenție nr. RO 128315/30.12.2020.	10	0,21
12.	Săulescu, R., Neagoe, M., Jaliu, C., Ciobanu, D., Țoțu, I. Mecanism de orientare monoaxială de înaltă precizie. Brevet de invenție nr. RO 131808/28.02.2022.	5	0,42
13.	Vișa, M., Vișa, I., Moldovan, M., Neagoe, M., Țilimpea, I.B., Olaru, A.G., Cosașu, D. Reactor paralelipipedic modular în flux continuu. Brevet No RO 132340B1/30.06.2022	7	0,30
14.	Perniu, D., Bogatu, C.A., Duță Capră, A., Isac, L.A., Covei, M., Vișa, I., Neagoe, M. Dispersie fotocatalitică activă în domeniul vizibil al radiației luminoase și metodă de obținere a acesteia. Brevet de invenție Nr. RO 132549B1/29.07.2022.	7	0,30
15.	Vișa, I., Diaconescu, D., Neagoe, M., Jaliu, C.I., Alexandru, C., Dobre E.B., Ioniță (căs. Boțoman), M.A., Săulescu, R., Moldovan, M., Porca Vătășescu, M. Actuator de joasă viteză cu reductor articulat intermitent, Brevet de invenție Nr. RO 128120B1/29.07.2022	9	0,23

16.	Vișa, I., Neagoe, M. , Moldovan, M., Duta, A., Comsit, C., Burduhos, B. Mecanism articulat bimobil de tip paralel pentru orientarea convertoarelor solare la orice latitudine. Brevet de invenție Nr. RO 133554B1/30.10.2023	6	0,35
17.	Burduhos, B.G., Vișa, I., Neagoe, M. , Duță Capră, A., Comșit, M., Moldovan, M.D. Stand cu parametri climatici controlați pentru testarea convertoarelor solare, Brevet de invenție Nr. RO 132448B1/29.11.2023	6	0,35
18.	Săulescu, R., Neagoe, M. , Vișa, M., Jaliu, C., Munteanu, O., Totu, I. Cretescu, N. Amplificator de turație planetar monomobil cu două ieșiri contrarotative. Brevet de invenție Nr. RO 131740B1/29.11.2023	7	0,30
19.	Săulescu, R., Neagoe, M. , Jaliu, C., Munteanu, O. Sistem eolian cu turbine contrarotite, amplificator de turație și generator electric contrarotativ. Brevet de invenție Nr. RO 133518B1/30.12.2024.	4	0,53

A2.4 Produse, tehnologii, platforme și servicii inovative

N4.1 Coordonator / prim autor			Total N4.1	3
Nr.crt.	Denumire	Punctaj		
1.	Pascu, A., Neagoe, M., Visa, I., Cretescu, N. Dispozitiv de măsurare laser a dimensiunilor liniare ale cadrelor metalice, 2018.	1		
2.	Comsit, M., Neagoe, M., Visa, I., Dispozitiv de constrângere geometrică a cadrelor metalice la sudarea 3D, 2018.	1		
3.	Neagoe, M., Visa, I., Barsan, L., Cretescu, N. Aplicație excel pentru reprezentarea grafică a panourilor prelucrate pe echipamentul Lina Punch, 2018.	1		

N4.2 Co-autor			Total N4.2	2
Nr.crt.	Denumire	Punctaj		
1.	Burduhos, M., Visa, I., Neagoe, M., Comsit, M., Moldovan, M.D. Cameră climatică de ceață pentru simularea condițiilor meteorologice care influențează funcționarea modulelor fotovoltaice, 2017	1		
2.	Burduhos, M., Visa, I., Neagoe, M. Simulator solar continuu, vertical, cu intensitate și spectru luminos reglabil, 2017	1		

A2.5 Monografii/cărți de specialitate, format tipărit / electronic (min. 100 pag.)

N4.3 Coordonator / prim autor			Total N4.3	2
Nr.crt.	Denumire	Punctaj		
1.	Neagoe, M. Cinematica roboților industriali. Precizia Roboților, Ed. Universității Transilvania, Brașov, 2002, ISBN: 973-635-020-7 (267 p.)	1		
2.	Neagoe, M., Diaconescu, D., Jaliu, C., Munteanu, O., Săulescu, R., Crețescu, N. Linkage accuracy modelling, Ed. Universității Transilvania, Brasov, 2010, ISBN 978-973-635-921-7 (224 p.)	1		

N4.4 Co-autor			Total N4.4	10
Nr.crt.	Denumire	Punctaj		
1.	Dudiță, Fl., Diaconescu, D., Bârsan, A., Jaliu, C., Neagoe, M. Cuplaje mecanice articulate. Ed. Orientul Latin, Brașov, 2001, ISBN: 973-9338-23-2 (284 p.)	1		
2.	Dudiță, Fl., Diaconescu, D., Lateș, M., Neagoe, M. Cuplaje mecanice podomorfe. Ed. Trisedes Press, Sfântu Gheorghe, 2001, ISBN: 973-8041-04-x (271 p.)	1		
3.	Starețu, I., Neagoe, M., Albu, N. Mâini mecanice. Mecanisme antropomorfe de prehensiune pentru protezare și roboți. Ed. Lux Libris, 2001, ISBN: 973-9428-27-4 (287 p.)	1		
4.	Dudiță, Fl., Diaconescu, D., Böhm, Ch., Neagoe, M., Săulescu, R. Transmisii cardanice. Ed. Transilvania Expres, Brașov, 2003, ISBN: 973-8196-20-5 (318 p.)	1		
5.	Diaconescu, D., Dudiță, Fl., Neagoe, M., Săulescu, R. Transmisii Mecanice. Cuplaje mobile cu bile de tip Weiss și Rzeppa. Ed. Universității Transilvania, Brașov, 2004, ISBN: 973-635-295-1 (276 p.)	1		
6.	Jaliu, C., Diaconescu, D., Neagoe, M., Munteanu, O., Săulescu, R., Pascale, L., Gall, R. Planetary gearset modelling, Editura Universității Transilvania, 2010, ISBN 978-973-598-481-6 (217 p.)	1		
7.	Visa, I., Jaliu, C., Duță, A., Neagoe, M., Comsit, M., Moldovan, M., Ciobanu, D., Burduhos, B., Săulescu, R. The role of mechanisms in sustainable energy systems, Transilvania University Pub. House, 2015, ISBN 978-606-19-0571-3 (346 p.)	1		
8.	Săulescu, R., Neagoe, M., Jaliu, C. Amplificatoare de turație pentru sisteme eoliene și hidroenergetice. Vol. 1. Modelarea răspunsului mecanic al sistemelor cu generator electric de curent continuu, Ed. Universității Transilvania, Brașov, 2018, ISBN: 978-606-19-0973-5 (169 p.)	1		
9.	Visa, I., Duta, A., Moldovan, M., Burduhos, B., Neagoe, M. Solar energy conversion systems in the built environment, Springer, 2020, ISBN 978-3-030-34829-1 (384 p.)	1		
10.	Săulescu, R., Neagoe, M., Jaliu, C. Amplificatoare de turație pentru sisteme eoliene și hidroenergetice. Vol. 2. Modelarea răspunsului mecanic al sistemelor cu generator electric contrarotativ, Ed. Universității Transilvania, Brașov, 2021, ISBN: 978-606-19-1406-7 (179 p.)	1		

A3.1 Atragerea de resurse financiare prin granturi/proiecte/contracte terți

S1 Director sau responsabil partener la grant/proiect câștigat prin competiție națională sau internațională, sumă echivalentă în mii Euro

S2 Membru în echipă la grant/proiect câștigat prin competiție națională sau internațională, proiecte/contracte terți, sumă echivalentă în mii Euro

S1-EU Director sau responsabil partener la grant/proiect câștigat prin competiție internațională				Total S1-EU	182,872
Nr.crt	Denumire grant	Perioada	Valoare alocată [euro]	Punctaj	
1.	Proiect 2015-1-IT02-KA203-014974, Erasmus+ action KA2, Politiche Abitative per l'Edilizia Sostenibile (Housing Policies for Sustainable Construction) - PAES, Contractor: Universita della Calabria, Italy, Responsabil UTBv Prof.dr.ing. Mircea Neagoe	2015-2018	29257	29,26	
2.	Proiect pilot Leonardo da Vinci nr. Ro/02/B/F/PP-141053 (2004-2006), WBT WORLD - Building A Web-Based Trainers' Wide Open Resource For Learning And Development, Director Prof.dr.ing. Mircea Neagoe	2004-2006	153615	153,62	

S2-EU Membru în echipă la grant/proiect câștigat prin competiție internațională				Total S2-EU	42,22
Nr.crt	Denumire grant	Perioada	Valoare alocată [euro]	Punctaj	
1.	Proiect SOCRATES Erasmus MOD, 2006, 51388-IC-1-2004-1-RO-ERASMUS-MODUC-4, Eco-design – an innovative path towards sustainable development, Director Prof.dr.ing. Anca Barsan	2005-2007	4500	4,50	
2.	Proiect FP5, Contract G1MA-CT-2002-04038, Advanced Computer Aided Design of Ecological Products and Technologies Integrating in green Energy Sources (ADEPT), Director Prof.dr.ing. Gheorghe Mogan	2002-2005	8000	8,00	
3.	Proiect pilot Leonardo da Vinci nr. RO/02/B/F/PP-141026 (2003 – 2005), RES&EM ICT TOOLS – Renewable Energy Sources and Environment Management Friendly ICT Tools, Director Prof.dr.ing. Ion Vișa	2003-2005	10000	10,00	
4.	Proiect Pilot Leonardo da Vinci NL/06/B/P/PP/157604 (2006 – 2008), Euromaint; European Maintenance: Professional skills for Maintenance Managers & Maintenance Engineers, Coordonator UTBv Prof.dr.ing. Codruța Jaliu	2006-2008	1300	1,30	
5.	Proiect Tempus TRUST Training Unit for Secondary Teachers, S_JEP-12561-97 (1997-2000), Contractor Prof.dr.ing. Ion Vișa	1997-2000	2000	2,00	
6.	Proiect H2020, apel H2020-LCE-2014-2, Finantator: CE, DG Research, Bioenergy Train, BET, GA Nr. 656760 (2015 – 2019), responsabil UTBv Prof.dr.ing. Ion Vișa	2015-2017	11145	11,15	
7.	Proiect M-ERA.net 39/2016 (2016-2018), Sustainable autonomous system for nitrites/nitrates and heavy metals monitoring of natural water sources (WaterSafe), responsabil UTBv Prof.dr.ing. Anca Duță	2016-2018	3800	3,80	
8.	Proiect LEONARDO DA VINCI TS EXCHANGE, CONTRACT nr. RO/2003/ PL 91183EX (2004-2005), Exchange of Competencies On renewable Energy Sources and Environment Management – ECO-RES&EM, Director Prof.dr.ing. Ion Vișa	2004-2005	1470	1,47	

Nr. crt	Denumire grant	Anul	Valoare alocată [lei]	Curs BNR	Valoare [euro]	Punctaj
1.	Proiect PN-III-P2-2.1-BG-2016-0349 (2016-2018), Creșterea competitivității SC ELDON SRL prin optimizarea tehnologiei de fabricație a dulapurilor industriale de podea (EldonOptimTeh), Director Prof.dr.ing. Mircea Neagoe	2016	47500	4,4908	10577,18	10,58
2.	Proiect PN-III-P2-2.1-BG-2016-0349 (2016-2018), Creșterea competitivității SC ELDON SRL prin optimizarea tehnologiei de fabricație a dulapurilor industriale de podea (EldonOptimTeh), Director Prof.dr.ing. Mircea Neagoe	2017	231250	4,5681	50622,80	50,62
3.	Proiect PN-III-P2-2.1-BG-2016-0349 (2016-2018), Creșterea competitivității SC ELDON SRL prin optimizarea tehnologiei de fabricație a dulapurilor industriale de podea (EldonOptimTeh), Director Prof.dr.ing. Mircea Neagoe	2018	181250	4,6535	38949,18	38,95
4.	Proiect CNCIS tip A tema 970 (2003-2005), Cercetări teoretice și experimentale privind optimizarea modelelor teoretice ale roboților prin calibrare, Director Prof.dr.ing. Mircea Neagoe	2003	67000000	37555,87	1784,01	1,78
5.	Proiect CNCIS tip A tema 970 (2003-2005), Cercetări teoretice și experimentale privind optimizarea modelelor teoretice ale roboților prin calibrare, Director Prof.dr.ing. Mircea Neagoe	2004	85000000	40532,11	2097,10	2,10
6.	Proiect CNCIS tip A tema 970 (2003-2005), Cercetări teoretice și experimentale privind optimizarea modelelor teoretice ale roboților prin calibrare, Director Prof.dr.ing. Mircea Neagoe	2005	119000000	36234,38	3284,17	3,28
7.	Proiect FSE RO POSDRU/9/3.1/S/9 (2008-2011), Proiectarea, Implementarea și Derularea unui Sistem de Formare Continuă, Inter-Regional și Transnațional, pentru Obținerea Competențelor Antreprenoriale, acronim Edu-Antreprenor, Responsabil UTBv Prof.dr.ing. Mircea Neagoe	2011	431028	4,2379	101707,92	101,71
8.	Proiect FSE RO POSDRU/57/1.3/S/32629 (2010-2012), Formarea Profesională a Cadrelor Didactice din Învățământul Preuniversitar pentru noi Oportunități de Dezvoltare în Carieră, Responsabil UTBv Prof.dr.ing. Mircea Neagoe	2012	1753792	4,456	393579,82	393,58
9.	Contract terți nr. 160/06.01.2016 Îmbunătățirea performanțelor funcționale ale dulapurilor Multiflex, beneficiar: SC ELDON SRL, Director Prof.dr.ing. Mircea Neagoe	2016	7644	4,4908	1702,15	1,70

Nr. crt	Denumire grant	Anul	Valoare alocată [lei]	Curs BNR	Valoare [euro]	Punctaj
1.	Proiectul PN-II-PT-PCCA-2013-4-0726 (2014-2017), Parteneriate, contract nr. 271 / 2014 Sistem inovativ integrat Materiale - Tehnologie - Echipament pentru procese simultane de fotocataliza si adsorbție aplicate in epurarea sustenabila a apelor uzate (Sim-PhotoAd), Director Prof.univ.dr. Maria Vișa	2015	9000	4,445	2024,75	2,02

2.	Proiectul PN-II-PT-PCCA-2013-4-0726 (2014-2017), Parteneriate, contract nr. 271 / 2014 Sistem inovativ integrat Materiale - Tehnologie - Echipament pentru procese simultane de fotocataliza si adsorbtie aplicate in epurarea sustenabila a apelor uzate (Sim-PhotoAd), Director Prof.univ.dr. Maria Vișa	2016	2250	4,4908	501,02	0,50
3.	Proiectul PN-II-PT-PCCA-2013-4-0726 (2014-2017), Parteneriate, contract nr. 271 / 2014 Sistem inovativ integrat Materiale - Tehnologie - Echipament pentru procese simultane de fotocataliza si adsorbtie aplicate in epurarea sustenabila a apelor uzate (Sim-PhotoAd), Director Prof.univ.dr. Maria Vișa	2017	2000	4,5681	437,82	0,44
4.	Proiect PN-II-PT-PCCA-2011-3.2-0512 nr. 28/2012 (2012-2015), Sisteme solare termice eficiente cu acceptanta ridicata pentru implementare în mediul urban (EST IN Urba), Director Prof. dr. ing. Ion Vișa	2012	2,800	4,456	628,37	0,63
5.	Proiect PN-II-PT-PCCA-2011-3.2-0512 nr. 28/2012 (2012-2015), Sisteme solare termice eficiente cu acceptanta ridicata pentru implementare în mediul urban (EST IN Urba), Director Prof. dr. ing. Ion Vișa	2013	38,000	4,419	8599,23	8,60
6.	Proiect PN-II-PT-PCCA-2011-3.2-0512 nr. 28/2012 (2012-2015), Sisteme solare termice eficiente cu acceptanta ridicata pentru implementare în mediul urban (EST IN Urba), Director Prof. dr. ing. Ion Vișa	2014	40,192	4,4446	9042,88	9,04
7.	Proiect PN-II-PT-PCCA-2011-3.2-0512 nr. 28/2012 (2012-2015), Sisteme solare termice eficiente cu acceptanta ridicata pentru implementare în mediul urban (EST IN Urba), Director Prof. dr. ing. Ion Vișa	2015	20,000	4,445	4499,44	4,50
8.	Proiect PNIII PED PN-III-P2-2.1-PED-2016-0338 58 / 2017 (2017-2018), Demonstrator si tehnologie de laborator pentru suprafete bazate pe colectoare solar-termice plan-plate de tip triunghi, SOL-TRI-COL. Director Prof.dr.ing. Ion Visa	2017	69,912.5	4,5681	15304,50	15,30
9.	Proiect PNIII PED PN-III-P2-2.1-PED-2016-0338 58 / 2017 (2017-2018), Demonstrator si tehnologie de laborator pentru suprafete bazate pe colectoare solar-termice plan-plate de tip triunghi, SOL-TRI-COL. Director Prof.dr.ing. Ion Visa	2018	10,000	4,6535	2148,92	2,15
10.	Proiect PN-II-RU-TE-2014-4-1763, contract nr. 131/1.10.2015 (2015-2017), Maximizarea energiei produsă de sistemele fotovoltaice integrate în clădiri funcție de profilul climatic, tipul de modul și algoritmul de orientare (EMAX-BIPV), Director Conf.dr.ing. Burduhos Bogdan	2015	18,000	4,445	4049,49	4,05
11.	Proiect PN-II-RU-TE-2014-4-1763, contract nr. 131/1.10.2015 (2015-2017), Maximizarea energiei produsă de sistemele fotovoltaice integrate în clădiri funcție de profilul climatic, tipul de modul și algoritmul de orientare (EMAX-BIPV), Director Conf.dr.ing. Burduhos Bogdan	2016	45,000	4,4908	10020,49	10,02
12.	Proiect PN-II-RU-TE-2014-4-1763, contract nr. 131/1.10.2015 (2015-2017), Maximizarea energiei produsă de sistemele fotovoltaice integrate în clădiri funcție de profilul climatic, tipul de modul și algoritmul de	2017	72,000	4,5681	15761,48	15,76

	orientare (EMAX-BIPV), Director Conf.dr.ing. Burduhos Bogdan					
13.	Proiect PN-II-PT-PCCA-2013-4-0747, Parteneriate, contract nr. 282 / 2014 (2014-2016), Sistem inovativ sustenabil pentru auto-decontaminarea fotocatalitică a echipamentelor de protecție CBRN (CB-PhotoDeg). Director Prof. dr. Dana PERNIU	2014	500	4,4446	112,50	0,11
14.	Proiect PN-II-PT-PCCA-2013-4-0747, Parteneriate, contract nr. 282 / 2014 (2014-2016), Sistem inovativ sustenabil pentru auto-decontaminarea fotocatalitică a echipamentelor de protecție CBRN (CB-PhotoDeg). Director Prof. dr. Dana PERNIU	2015	11,250	4,445	2530,93	2,53
15.	Proiect PN-II-PT-PCCA-2013-4-0747, Parteneriate, contract nr. 282 / 2014 (2014-2016), Sistem inovativ sustenabil pentru auto-decontaminarea fotocatalitică a echipamentelor de protecție CBRN (CB-PhotoDeg). Director Prof. dr. Dana PERNIU	2016	1,000	4,4908	222,68	0,22
16.	Proiect PN-II-PT-PCCA-2011-3.2-1235, contract nr. 162/2012 (2012-2016), Nano-materiale fotoactive cu suprafete complexe pentru aplicatii in producerea de energie si pentru degradarea poluantilor organici (NANOVISMAT). Coordonator UTBv Prof.dr.ing. Anca Duță	2012	3,000	4,456	673,25	0,67
17.	Proiect PN-II-PT-PCCA-2011-3.2-1235, contract nr. 162/2012 (2012-2016), Nano-materiale fotoactive cu suprafete complexe pentru aplicatii in producerea de energie si pentru degradarea poluantilor organici (NANOVISMAT). Coordonator UTBv Prof.dr.ing. Anca Duță	2013	7,500	4,419	1697,22	1,70
18.	Proiect PN-II-PT-PCCA-2011-3.2-1235, contract nr. 162/2012 (2012-2016), Nano-materiale fotoactive cu suprafete complexe pentru aplicatii in producerea de energie si pentru degradarea poluantilor organici (NANOVISMAT). Coordonator UTBv Prof.dr.ing. Anca Duță	2014	5,000	4,4446	1124,96	1,12
19.	Proiect PN-II-PT-PCCA-2011-3.2-1235, contract nr. 162/2012 (2012-2016), Nano-materiale fotoactive cu suprafete complexe pentru aplicatii in producerea de energie si pentru degradarea poluantilor organici (NANOVISMAT). Coordonator UTBv Prof.dr.ing. Anca Duță	2016	4,500	4,4908	1002,05	1,00
20.	Proiect POS-CCE, Contract 11/2009, ID 123, SMIS 2637 (2009-2012), Institut de Cercetare Dezvoltare Inovare Produse High-Tech pentru Dezvoltare Durabila PRO-DD, Director Prof. dr. ing. Ion Vișa	2012	2,050	4,456	460,05	0,46
21.	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.	2009	3,500	4,2373	826,00	0,83
22.	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.	2010	11,000	4,2099	2612,89	2,61
23.	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.	2011	8,500	4,2379	2005,71	2,01
24.	Proiect CNCISIS IDEI cod ID140/2007 (2008-2009), Sisteme mecatronice inovative destinate microhidrocentralelor pentru exploatarea eficientă a	2008	22,400	3,6827	6082,49	6,08

	potențialului hidrologic din zonele izolate, Director Prof.dr.ing. Jaliu Codruța					
25.	Proiect CNCISIS IDEI cod ID140/2007 (2008-2009), Sisteme mecatronice inovative destinate microhidrocentralelor pentru exploatarea eficientă a potențialului hidrologic din zonele izolate, Director Prof.dr.ing. Jaliu Codruța	2009	8,000	4,2373	1887,99	1,89
26.	Proiect CNCISIS 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 energetică-economică ridicată, cu utilizare în sisteme de energii regenerabile, Director prof.dr.ing. Dorin Diaconescu	2007	7,000	3,3373	2097,50	2,10
27.	Proiect CNCISIS 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 energetică-economică ridicată, cu utilizare în sisteme de energii regenerabile, Director prof.dr.ing. Dorin Diaconescu	2008	24,000	3,6827	6516,96	6,52
28.	Proiect PN II cod 21-003/2007 (2007 – 2010), Creșterea eficienței conversiei energiei solare în platforme fotovoltaice orientabile, PLATSOL-PV, Director Prof.dr.ing. Vișa Ion	2009	1,000	4,2373	236,00	0,24
29.	Proiect PN II cod 21-003/2007 (2007 – 2010), Creșterea eficienței conversiei energiei solare în platforme fotovoltaice orientabile, PLATSOL-PV, Director Prof.dr.ing. Vișa Ion	2010	1,500	4,2099	356,30	0,36
30.	Platforma CNCISIS 79 (2006-2007) – Design de produs pentru dezvoltare durabilă, Director Prof.dr.ing. Vișa Ion	2006	80,000	3,5245	22698,26	22,70
31.	Platforma CNCISIS 79 (2006-2007) – Design de produs pentru dezvoltare durabilă, Director Prof.dr.ing. Vișa Ion	2007	80,000	3,3373	23971,47	23,97
32.	Proiect CNCISIS tip A, contract nr. 27684/2005 (2005-2006), tema 1060, Modele, programe și simulări pentru optimizarea dinamică a transmisiilor mecanice cu flux energetic ramificat, prin eliminarea defectelor structurale. Director Prof.dr.ing. Jaliu Codruța	2005	2,500	3,6234	689,96	0,69
33.	Proiect CNCISIS tip A, contract nr. 27684/2005 (2005-2006), tema 1060, Modele, programe și simulări pentru optimizarea dinamică a transmisiilor mecanice cu flux energetic ramificat, prin eliminarea defectelor structurale. Director Prof.dr.ing. Jaliu Codruța	2006	2,400	3,5245	680,95	0,68
34.	Proiect CNCISIS tip A, contract nr. 33369/2004, tema 1330 (2004-2005), Studiul și optimizarea dinamică a variatoarelor planetare de înaltă putere prin conversia sistemului mecanic în sistem mecatronic, Director Prof.dr.ing. Dorin Diaconescu	2004	10,000,000	40532,11	246,72	0,25
35.	Proiect CNCISIS tip A, contract nr. 33369/2004, tema 1330 (2004-2005), Studiul și optimizarea dinamică a variatoarelor planetare de înaltă putere prin conversia sistemului mecanic în sistem mecatronic, Director Prof.dr.ing. Dorin Diaconescu	2005	15,000,000	36234,38	413,97	0,41
36.	Proiect CNCISIS tip A, Contract nr. 40533/2003, tema 989, Studiul, simularea și optimizarea cuplajelor cu bile de tip	2003	6,700,000	37555,87	178,40	0,18

	Weiss si Rzeppa, utilizate in transmisii mecanice, Director Prof.dr.ing. Florea Dudiță					
37.	Proiect CNC SIS tip A, Contract nr. 3993/2000, tema 785, Modelarea și optimizarea dinamică a transmisiilor policardanice în configurație spațială, Director Prof.dr.ing. Dorin Diaconescu	2000	2,500,000	19955,75	125,28	0,13
38.	Proiect CNC SIS tip A, Contract nr. 3993/2000, tema 784, Studii și programe privind sinteza cinematică a transmisiilor cardanice homocinematice în configurație spațială, Director Prof.dr.ing. Gogu Grigore	2000	2,500,000	19955,75	125,28	0,13
39.	Proiect CNC SIS tip A, Contract nr. 33630/1999, tema 40 (1999-2000), Studii privind modelarea și simularea corelațiilor optime dintre parametrii caracteristici ai mecanismelor cu came, Director Prof.dr.ing. Florea Dudiță	1999	3,500,000	16,295,57	214,78	0,21
40.	Proiect CNC SIS tip A, Contract nr. 33630/1999, tema 40 (1999-2000), Studii privind modelarea și simularea corelațiilor optime dintre parametrii caracteristici ai mecanismelor cu came, Director Prof.dr.ing. Florea Dudiță	2000	3,600,000	19955,75	180,40	0,18
41.	Proiect CEEX Modul 1 752/2005 (2006-2008), Sisteme mecanice noi pentru creșterea eficienței conversiei energiei solare în energie electrică, MEC SOL-PV. Director Prof.dr.ing. Vișa Ion	2006	15,000	3,5245	4255,92	4,26
42.	Proiect CEEX Modul 1 752/2005 (2006-2008), Sisteme mecanice noi pentru creșterea eficienței conversiei energiei solare în energie electrică, MEC SOL-PV. Director Prof.dr.ing. Vișa Ion	2007	15,000	3,3373	4494,65	4,49
43.	Proiect CEEX Modul 1 605/2005 (2005-2007), Complementaritatea surselor fotovoltaice și a captatoarelor termice în arhitectura clădirilor și asigurarea utilitatii de energie electrică și climatizare - Cofoterm, Director Prof.dr.ing. Vișa Ion	2006	2,000	3,5245	567,46	0,57
44.	Proiect CEEX Modul 1 605/2005 (2005-2007), Complementaritatea surselor fotovoltaice și a captatoarelor termice în arhitectura clădirilor și asigurarea utilitatii de energie electrică și climatizare - Cofoterm, Director Prof.dr.ing. Vișa Ion	2007	4,000	3,3373	1198,57	1,20
45.	Proiect CNC SIS tip A, Contract nr. 3993/2000, tema 30/122/2000, Contract nr. 4133/2001, tema 28/66/2001, Proiectarea funcțională a mecanismelor cu ghidare multiplă a roților nedirectoare ale automobilelor, Director Prof.dr.ing. Alexandru Cătălin	2000	5,427,964	19,955,75	272,00	0,27
46.	Proiect CNC SIS tip A, Contract nr. 3993/2000, tema 30/122/2000, Contract nr. 4133/2001, tema 28/66/2001, Proiectarea funcțională a mecanismelor cu ghidare multiplă a roților nedirectoare ale automobilelor, Director Prof.dr.ing. Alexandru Cătălin	2001	12,727,149	26,026,89	489,00	0,49
47.	Proiect CNC SIS tip A, Contract nr. 38/1998, tema 22/379/1998, Contract nr. 33630/1999, tema 6/47/1999 (1998-1999), Mecanisme antropomorfe de prehensiune pentru roboți și protezarea mâinii umane. Optimizarea proiectării structural-constructive, Director Prof.dr.ing. Starețu Ionel	1998	1,650,000	8,875,55	185,90	0,19
48.	Proiect CNC SIS tip A, Contract nr. 38/1998, tema 22/379/1998, Contract nr. 33630/1999, tema 6/47/1999	1999	1,700,000	16,295,57	104,32	0,10

	(1998-1999), Mecanisme antropomorfe de prehensiune pentru roboți și protezarea mâinii umane. Optimizarea proiectării structural-constructive, Director Prof.dr.ing. Starețu Ionel					
49.	Proiect CNC SIS tip A, Contract nr. 3993/2000, tema 13/783, Mecanisme folosite la construcția roboților de mare precizie. Optimizarea proiectării structurale și constructive folosind tehnicile și metodele inventicii, pe baza soluțiilor întâlnite la biomecanisme pentru obținerea unor variante cu caracteristici ecologice, Director Prof.dr.ing. Starețu Ionel	2000	2,000,000	19,955,75	100,22	0,10
50.	Proiect CNC SIS tip A, Contract nr. 38/1998, tema 8/376/1998, Contract nr. 33630/1999, tema 15/42/1999 (1998-1999), Proiectarea asistată de calculator a organelor de mașini cu metoda elementelor finite, Director Prof.dr.ing. Mogan Gheorghe	1998	900,000	8,875,55	101,40	0,10
51.	Proiect CNC SIS tip A, Contract nr. 38/1998, tema 8/376/1998, Contract nr. 33630/1999, tema 15/42/1999 (1998-1999), Proiectarea asistată de calculator a organelor de mașini cu metoda elementelor finite, Director Prof.dr.ing. Mogan Gheorghe	1999	1,100,000	16,295,57	67,50	0,07
52.	Proiect CNC SIS tip A, Contract nr. 38/1998, tema 1/377, Studii și cercetări teoretico-aplicative referitoare la conceperea, modelarea și sinteza optimală a unor noi soluții de transmisii cardanice homocinematice în configurație spațială, Director Prof.dr.ing. Diaconescu Dorin	1998	3,250,000	8,875,55	366,17	0,37
53.	Proiect CNC SIS tip A, Contract nr. 7005/1997, tema 14/1293/1997, Contract nr. 38/1998, tema 10/361/1998 (1997-1998), Optimizarea robotomecanismelor de tip vertebroid utilizabile în medii cu configurații complexe, Director Prof.dr.ing. Dudiță Florea	1997	10,000,000	7,167,94	1395,10	1,40
54.	Proiect CNC SIS tip A, Contract nr. 7005/1997, tema 14/1293/1997, Contract nr. 38/1998, tema 10/361/1998 (1997-1998), Optimizarea robotomecanismelor de tip vertebroid utilizabile în medii cu configurații complexe, Director Prof.dr.ing. Dudiță Florea	1998	15,000,000	8,875,55	1690,04	1,69
55.	Proiect CNC SIS tip A, Contract nr. 7005/1997, tema 8/1291/1997, Contract nr. 38/1998, tema 7/362/1998 (1997-1998), Roboți industriali de înaltă viteză și precizie. Proiectare și optimizare structurală, modelare comandă prin tehnici fuzzy și neuronale, Director Prof.dr.ing. Gogu Grigore	1997	1,200,000	7,167,94	167,41	0,17
56.	Proiect CNC SIS tip A, Contract nr. 7005/1997, tema 8/1291/1997, Contract nr. 38/1998, tema 7/362/1998 (1997-1998), Roboți industriali de înaltă viteză și precizie. Proiectare și optimizare structurală, modelare comandă prin tehnici fuzzy și neuronale, Director Prof.dr.ing. Gogu Grigore	1998	4,000,000	8,875,55	450,68	0,45
57.	Proiect CNC SIS tip A, Contract nr. 7005/1997, tema 2/1354/1997, Contract nr. 38/1998, tema 24/378/1998 (1997-1998), Cercetări privind conceperea unui software pentru analiza automată a mecanismelor articulate, Director Prof.dr.ing. Vișa Ion	1997	1,000,000	7,167,94	139,51	0,14

58.	Proiect CNC SIS tip A, Contract nr. 7005/1997, tema 2/1354/1997, Contract nr. 38/1998, tema 24/378/1998 (1997-1998), Cercetări privind conceperea unui software pentru analiza automată a mecanismelor articulate, Director Prof.dr.ing. Vișa Ion	1998	1,000,000	8,875,55	112,67	0,11
59.	Proiect CNC SIS tip A, Contract nr. 271/1996, tema A3/1996, B2/1997 (1996-1997), Studiul și perfecționarea mecanismelor de orientare cu roți dințate utilizate în sistemele moderne flexibile de tipul roboților industriali, Director Prof.dr.ing. Diaconescu Dorin	1996	200,000	3,082,60	64,88	0,06
60.	Proiect CNC SIS tip A, Contract nr. 271/1996, tema A3/1996, B2/1997 (1996-1997), Studiul și perfecționarea mecanismelor de orientare cu roți dințate utilizate în sistemele moderne flexibile de tipul roboților industriali, Director Prof.dr.ing. Diaconescu Dorin	1997	1,125,000	7,167,94	156,95	0,16
61.	Proiect CNC SIS tip A, Contract nr. 5005/1996, tema 23/1367/1996, Contract nr. 7005/1997, tema 13/1349/1997, Optimizarea mecanismelor multiplanetare utilizabile în transmisiile roboților industriali, Director Prof.dr.ing. Gogu Grigore	1996	400,000	3,082,60	129,76	0,13
62.	Proiect CNC SIS tip A, Contract nr. 5005/1996, tema 23/1367/1996, Contract nr. 7005/1997, tema 13/1349/1997, Optimizarea mecanismelor multiplanetare utilizabile în transmisiile roboților industriali, Director Prof.dr.ing. Gogu Grigore	1997	2,500,000	7,167,94	348,78	0,35
63.	Contract nr. 30/1994, Analiza dinamică a transmisiei cardanice cu reazeme elastice utilizate la autoturisme, Director Prof.dr.ing. Dudiță Florea	1994	180,000	1,655,09	108,76	0,11
64.	Contract nr. 5436/2004 (2004-2006), Mecanisme si instrumente de evaluare a calitatii proceselor in invatamantul superior, CAPRIS, Director Prof.dr.ing. Helerea Elena	2004	30,000,000	40,532,11	740,15	0,74
65.	Contract nr. 5436/2004 (2004-2006), Mecanisme si instrumente de evaluare a calitatii proceselor in invatamantul superior, CAPRIS, Director Prof.dr.ing. Helerea Elena	2005	3,500	3,6234	965,94	0,97
66.	Contract nr. 5436/2004 (2004-2006), Mecanisme si instrumente de evaluare a calitatii proceselor in invatamantul superior, CAPRIS, Director Prof.dr.ing. Helerea Elena	2006	4,000	3,5245	1134,91	1,13
67.	Contract nr. 1083/92/55, Faza III/1994, Optimizarea proiectării ansamblurilor și organelor de mașini destinate, în special, manipuletoarelor și roboților industriali, Director Prof.dr.ing. Rădulescu Constantin	1994	23,000	1,655,09	13,90	0,01

A3.2 Prezentarea / Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor / co-autor de lucrări, profesor invitat

N5 Congrese / conferințe / workshopuri internaționale, profesor invitat la universități / institute din străinătate				Total N5	93
Nr. crt.	Locația	Denumire	Punctaj		
1.	Sibiu, Romania	International Conference BEYOND 2000: Engineering Research Strategies, November 25th-26th, 1999.	1		
2.	Timișoara, Romania	The 8th Symposium on Mechanisms and Mechanical Transmissions with international participation, October 19th – 22nd, 2000.	1		
3.	Bucharest, Romania	The Eight IFToMM International Symposium on Theory of Machines and Mechanisms SYROM 2001, August 28th – September 1st.	1		
4.	Clermont-Ferrand, France	The 4th International Conference on Integrated Design and Manufacturing in Mechanical Engineering, Institut Français de Mécanique Avancée (IFMA), May 14th-16th, 2002.	1		
5.	Clermont-Ferrand, France	SOCRATES/ERASMUS mobility for teaching activity (TS) at Institut Français de Mécanique Avancée (IFMA), May 13 th – 24 th , 2002, teaching on topic of mechanisms.	1		
6.	Constanța, România	International Conference TECHNONAV'2002, May 30th – June 1st, 2002.	1		
7.	Brasov, Romania	Al VII-lea Simpozion Național cu participare internațională PRASIC'02, November 7th – 8th, 2002.	1		
8.	Paris, Franta	Profesor invitat, mobilitate Leonardo la Universitatea Paris VI, Franța, în cadrul proiectului RO/2002/89152/EX, 8-22 martie 2003, cu tema "Relațiile Universități-Întreprinderi".	1		
9.	Constanța, România	International Conference TECHNONAV'2004, May 27th – 29th, 2004.	1		
10.	Cluj-Napoca, Romania	The 9th International Conference on Mechanisms and Mechanical Transmissions MTM 2004, June 10th-12th, 2004.	1		
11.	Brasov, Romania	Advanced Summer Institute. Product Engineering: Eco-design, Technologies and Green Energy Sources, July 14th-21st, 2004.	1		
12.	Timișoara-Reșița, Romania	The 2nd International Conference Robotica2004, October 14th-16th, 2004.	1		
13.	Battenberg, Germania	Mobilitate Leonardo da Vinci la Academia Viessmann, Battenberg Germania, în cadrul proiectului nr. RO/2003/PL 91183EX, specializare în domeniul "Resurse regenerabile de energie", 25 octombrie – 02 noiembrie 2004.	1		
14.	Bucharest, Romania	The 2nd Conference "Keeping the Learning in the e-Learning", November 19th-20th, 2004, British Council.	1		
15.	București, Romania	Conferința "Toward Building the Romanian eUniversity", Universitatea Politehnica din București, proiectul european Socrates Minerva RE2U-Romanian-European eUniversity, 9 decembrie 2004.	1		
16.	Brasov, Romania	The 2nd International Symposium on Remote Engineering and Virtual Instrumentation REV2005, June 30th – July 1st, 2005.	1		
17.	Brasov, Romania	The 1st International Conference on Sustainable Energy CSE2005, July 7th-9th, 2005.	1		
18.	Bucharest, Romania	The 9th IFToMM International Symposium of Machine and Mechanisms Theory SYROM2005, September 1st-4th, 2005.	1		
19.	Kosice, Slovakia	Leonardo da Vinci Thematic Monitoring Seminar Teachers & Trainers – Key Actors For Successful E-Learning: Challenges, Issues & Solutions, in : 4th International Conference on Emerging e-learning Technologies and Applications (Information and Communications Technologies in Education), September 13th – 14th, 2005.	1		
20.	Bucharest, Romania	The 6th European Conference E_COMM_LINE 2005, September 19th-20th, 2005.	1		
21.	Bucharest, Romania	International Workshop „Web Based Trainer – Key Actor towards eLearning Europe”, December 16th, 2005.	1		

22.	San Sebastian, Spain	Invited professor for experience exchange on Robotics and Management of Renewable Systems at Universitatea del Pais Vasco, San Sebastian, Spain, June 4 th – 13 th , 2006, in the frame of the CEEEX project ref. 605/2005.	1
23.	Iasi, Romania	The 3rd International Conference on Robotics Robotica 2006, September 7th-9th, 2006.	1
24.	Brasov, Romania	Simpozionul Național cu participare internațională PRASIC'06, 9 – 10 Noiembrie 2006.	1
25.	Brasov, Romania	International Conference on Material Science and Engineering Bramat 2007, February 22th-24th, 2007.	1
26.	Konstanz, Germany	Invited professor for experience exchange on the topic of Robotics at University of Applied Sciences, April 30th – May 7th, 2007.	1
27.	Atena, Grecia	SOCRATES/ERASMUS mobility for teaching activity (TS) at Technological Educational Institute TEI din Atena, Grecia, June 8th – 16th, 2007, teaching on topic of ecodesign in product development.	1
28.	Clermont-Ferrand, France	SOCRATES/ERASMUS mobility for teaching activity (TS) at Institut Français de Mecanique Avancee (IFMA), Clermont-Ferrand, France, June 25 th – July 6 th , 2007, teaching on topic of mechanisms and robotics.	1
29.	Hamamet, Tunisia	The 11th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2007, September 5th-9th, 2007.	1
30.	Constanta, Romania	The 6 th International Scientific Conference on Naval and Mechanical Engineering TEHNONAV 2008, New Technologies for future Clean Mobility and Environment, May 22 nd – 24 th , 2008.	1
31.	Sozopol, Bulgaria	The 6 th International Conference "Challenges in Higher Education and Research in the 21 st Century", June 4 th – 7 th , 2008.	1
32.	Clermont-Ferrand, France	SOCRATES/ERASMUS mobility for teaching activity (TS) at Institut Français de Mecanique Avancee (IFMA), Clermont-Ferrand, France, July 2 nd – 16 th , 2008, teaching on topic of robotics.	1
33.	Istanbul, Turkey	The 12 th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2008, August 26 th – 30 th , 2008, Istanbul, Bahçeşehir Üniversitesi, Turkey.	1
34.	Brasov, Romania	The 4 th International Conference Robotics'08, November 13 th – 14 th , 2008.	1
35.	Paris, France	Invited professor for experience exchange at ESSEC Business School Paris, France, September 17 th – 20 th , 2009.	1
36.	Brasov, Romania	The 10 th IFToMM International Symposium on Science of Mechanisms and Machines SYROM 2009, October 12 th – 15 th , 2009.	1
37.	Paris, France	SOCRATES/ERASMUS mobility for teaching activity at Ecole Nationale Supérieure d'Arts et Métiers – ENSAM Paris, France, June 9 th – 24 th , 2010, teaching on topics of mechanical & technological engineering.	1
38.	Cluj-Napoca, Romania	The International Conference on Robotics ROBOTICS'10, September 23 rd – 25 th , 2010.	1
39.	Brasov, Romania	The 3rd Conference on Sustainable Energy CSE 2011, November 10 th – 12 th , 2011.	1
40.	Clermont-Ferrand, France	The Joint International Conference of the XI International Conference on Mechanisms and Mechanical Transmissions (MTM) and the International Conference on Robotics (Robotics'12) MTM & Robotics 2012, June 6 th – 8 th , 2012.	1
41.	Lyon, France	International workshop organized in the frame of the ECREIN+ Interreg IVC Project, November 28 th –01 st , 2012.	1
42.	Galati, Romania	First International Conference Danube – Black Sea 3E – Energy, Environment & Efficiency, September 18 th – 21 st , 2013.	1
43.	Freiburg, Germany	The International Conference of Solar Heating and Cooling for Buildings and Industry SHC2013, September 23 rd – 25 th , 2013.	1
44.	Paris, France	The 28 th European Photovoltaic Solar Energy Conference and Exhibition EU PVSEC 2013, September 30 th – October 4 th , 2013.	1
45.	Brasov, Romania	The 11 th IFToMM International Symposium on Science of Mechanisms and Machines SYROM 2013, November 11 th – 12 th , 2013.	1

46.	Twente, Netherlands	ESEIA-IGS Conference Smart And Green Transitions In Cities / Regions, April 20 th – 27 th , 2014.	1
47.	Iasi, Romania	The 6 th International Conference on Advanced Concepts in Mechanical Engineering ACME 2014, June 12 th – 13 th , 2014.	1
48.	London, UK	The World Renewable Energy Congress WREC XIII, August 3 rd – 8 th , 2014, University of Kingston.	1
49.	Amsterdam, Netherlands	The 29 th European Photovoltaic Solar Energy Conference and Exhibition EU PVSEC 2014, September, 22 nd – 26 th , 2014.	1
50.	Bucharest, Romania	The International Conference ICAMaT & Robotics & Polcom 2014, October 23 rd – 24 th , 2014.	1
51.	Brasov, Romania	The 4 th Conference for Sustainable Energy (CSE) 2014, November 6 th –8 th , 2014.	1
52.	Salerno, Italy	ERASMUS+ mobility for teaching activity (STA) at Università degli Studi di Salerno, Salerno, Italy, September 7 th – 13 th 2015, teaching on the topic of renewable energy systems & product design.	1
53.	Craiova, Romania	The International Conference of Mechanical Engineering, ICOME 2015, October 8 th – 9 th 2015, Faculty of Mechanics, University of Craiova.	1
54.	Taipei, Taiwan	The 14 th IFToMM World Congress, October 25 th –30 th , 2015.	1
55.	Ruse, Bulgaria	The 6 th International Conference on Energy Efficiency and Agricultural Engineering, November 11 th –12 th , 2015, University of Ruse "Angel Kanchev".	1
56.	Kosice, Slovakia	ERASMUS+ mobility for teaching activity (STA) at Institute of Architectural Engineering, Faculty of Civil Engineering, Technical University of Kosice, Slovak Republic, September 1 st –7 th , 2016, teaching on the topic of renewable energy systems: design and implementation.	1
57.	Palma de Mallorca, Spain	The 11 th ISES EuroSun2016, International Conference on Solar Energy for Buildings and Industry, October 10 th –15 th , 2016.	1
58.	Aachen, Germany	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 26 th –27 th , 2016.	1
59.	Dublin, Ireland	International Conference on Building Integrated Renewable Energy Systems BIRES 2017, March 6 th – 9 th , 2017, Dublin Institute of Technology.	1
60.	Cagliari, Italy	ERASMUS+ mobility for teaching activity (STA) at Università degli Studi di Cagliari, Italy, April 24 th –30 th , 2017, teaching activity in the field of renewable energy systems for sustainable environment.	1
61.	Brasov, Romania	The 5 th Conference for Sustainable Energy (CSE) 2017, October 19 th –21 st , 2017.	1
62.	Abu Dhabi, United Arab Emirates	The International Conference on Solar Heating and Cooling for Buildings and Industry, SHC2017, October 28 th – November 2 nd , 2017.	1
63.	Iasi, Romania	The 12 th IFToMM International Symposium on Science of Mechanisms and Machines SYROM'2017, November 2 nd – 3 rd , 2017.	1
64.	Constanta, Romania	The 4 th International Scientific Conference SEA-CONF 2018, May 17 th – 19 th , 2018.	1
65.	Novi Sad, Serbia	The 3 rd South Est European Conference on Sustainable Development of Energy, Water and Environment Systems, SDEWES, June 30 th – July 4 th , 2018.	1
66.	Barcelona, Spain	World Conference on Robotics & Artificial Intelligence, July 26 th – 28 th , 2018.	1
67.	Nicosia, Cyprus	International workshop WG1 organized in the frame of the COST project CA16235 PEARL PV, October 21 st –23 rd , 2018, University of Cyprus.	1
68.	Krakow, Poland	The 15 th IFToMM World Congress, June 28 th – July 04 th , 2019.	1
69.	Istanbul, Turkey	The 5 th International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET), 26–27 August 2019.	1
70.	Ruse, Bulgaria	Schimb experiență în domeniul sistemelor de energii regenerabile, 1–3.09.2019.	1
71.	Chișinău, Republica Moldova	Conferința internațională Zilele Academiei de Științe Tehnice din România 2019, Ediția a XIV-a, 17 – 18 octombrie 2019, „Creativitatea în dezvoltarea Societății Cunoașterii”.	1
72.	Târgoviște, Romania	The National Conference of New And Renewable Energy Sources, 18th Edition, 28—29 November 2019.	1

73.	Utrecht, Olanda	Workshop WG1 ECOST-MEETING-CA16235-160220-110876 organizat în cadrul proiectului COST CA16235 PEARL PV, 23-28 februarie 2020.	1
74.	Iasi, Romania	9th International Conference on Advanced Concepts in Mechanical Engineering, ACME 2020, Iasi, Romania, 4-5 June 2020 http://www.mec.legacy.tuiasi.ro/acme2020/	1
75.	Brasov, Romania	The 6th Conference on Sustainable Energy, CSE2020, Brasov, Romania, 22-24 October 2020 Conferinta http://cse.unitbv.ro/	1
76.	Online	Workshop: "Data sharing for trans-European PV performance analyses " – COST Action PEARL PV, 3.11.2020, 09:00 AM (CEST) perioada:2020 CoefM:Workshop https://www.pearlpv-cost.eu/wp-content/uploads/2020/10/CostActionPEARLPV_OnlineWorkshop_PVPerformance_03112020_Final.pdf	1
77.	Ruse, Bulgaria	The 7th INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 12th-14th November, 2020, Ruse, Bulgaria http://eeae-conf.uni-ruse.bg/	1
78.	Online	International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability TMREES22Fr Intl Conf. Metz-Grand Est – France, 09-10-11 May, 2022 (Session Chair, online) https://www.tmrees.org/index.php/archive/tmrees22fr	1
79.	Ruse, Bulgaria	The 8th International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), 30th June-2nd July, 2022, Ruse, Bulgaria (Plenary speaker) http://eeae-conf.uni-ruse.bg/	1
80.	Torino, Italia	UNITA Matching Event, Torino, Italia, 26-29.10.2022 Workshop https://www.unito.it/eventi/matching-events-research-diretta-streaming-su-unito-media-canale-intranet	1
81.	Online	MTM & Robotics 2020 The Joint International Conference of the XIII International Conference on Mechanisms and Mechanical Transmissions (MTM) and the XXIV International Conference on Robotics (Robotics) Timișoara, Romania, October 14 – 16, 2020 (online)	1
82.	Brasov, Romania	Training School III. Simulation tools and models for the analysis of PV system performance, COST Action PEARL PV CA16235 Performance and Reliability of Photovoltaic Systems: Evaluations of Large-Scale Monitoring Data, 6 - 9 July 2021, University of Brasov, Romania (organizator)	1
83.	Enschede, Olanda	Conference – Enabling the PV Terawatt Transition, organizată în cadrul proiectului COST CA16235 PEARL PV, Enschede, Olanda, 13-18 martie 2022	1
84.	Rapid City, SUA	USCToMM MSR 2nd Symposium on Mechanical Systems & Robotics 2022, Rapid City, South Dakota, Statele Unite ale Americii, York, Denver-Golden și Rapid City, 13-25 mai 2022	1
85.	Turcia (Izmir, Ankara, Istanbul)	Târg de recrutare UNITBV în Turcia (Izmir, Ankara, Istanbul), 25.03-3.04.2023	1
86.	Brasov, Romania	Lector la RE4Industry Knowledge Transfer Seminar Romania. 100% Renewable for Energy-Intensive Industries, Transilvania University of Brasov, 14 March 2023, Brasov, Romania & remote; Mircea Neagoe, Increasing the electrical energy output using tracked PV systems.	1
87.	online	ESEIA Lecture Series	1
88.	Boulder, SUA	2023 Collegiate Wind Competition CWC2023, Boulder, USA, 09-22.05.2023	1
89.	Brasov, Romania	Conference for Sustainable Energy CSE2023, Brasov, Romania, October 26-28, 2023	1
90.	Tokyo, Japonia	The 6th World Congress of the International Federation for the Promotion of Mechanism and Machine Science IFToMM, WC2023, November 5 – 10, 2023, 2-2-1 Nishi-Shinjuku, Tokyo, Japan	1
91.	Guimarães, Portugalia	Mechanism and Machine Theory Symposium, June 26-28, 2024, Guimarães, Portugal	1
92.	București, Romania	INQAAHE Forum 2024, June 10 – 12, 2024, Bucharest, Romania	1
93.	Chișinău, Republica Moldova	Workshop în domeniul ID la Universitatea Pedagogică de Stat Ion Creangă din Chișinău, 21-28.04.2024	1

A3.3 Citări în publicații BDI (se exclud autocitățile)

A3.3 Citări în publicații BDI (WOS+SCOPUS)				Total A3.3	966,52
Nr. crt.	Lucrare			Nr. citări	Punctaj
	Denumire	Σ FI			
1	On New High Performance Systems with Linear Actuators for Diurnal Orientation of PV Platforms Neagoe, Mircea; Vatasescu, Maria M.; Saulescu, Radu G.; Creanga, N. Applied Mechanics and Materials, Vol. 162, 2012, ISSN: 1662-7482, pp. 214-223. DOI: 10.4028/www.scientific.net/AMM.162.214 https://www.scientific.net/AMM.162.214 Link SCOPUS Link WoS	13,12		2	15,12
	Mechanisms in building integrated renewable energy systems: Case study—solar energy conversion systems Visa, I. Mechanisms and Machine Science, 17, pp. 31-49, 2014, ISSN 2211-0984. Link SCOPUS	0		1	1
	Mechanical energy conversion systems for triboelectric nanogenerators: Kinematic and vibrational designs Kim, W., Bhatia, D., Jeong, S., Choi, D. 2019 Nano Energy 56, pp. 307-321, ISSN: 2211-2855. Link SCOPUS	13,12		1	14,12
2	The eco-impact of small hydro implementation Jaliu, Codruta; Diaconescu, Dorin; Neagoe, Mircea; Săulescu, R. Conference: International Conference on Materials Science and Engineering (BRAMAT 2009) Location: Brasov, ROMANIA Date: FEB 26-28, 2009 ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 8 Issue: 4 Pages: 837-841 DOI: 10.30638/eemj.2009.118 http://www.eemj.icpm.tuiasi.ro/pdfs/vol8/no4/50_Jaliu.pdf Link SCOPUS Link WOS	18,471		11	29,471
	Experimental investigation and computational fluid dynamics (CFD) analysis of an eco-friendly turbine Popescu, D., Popescu, C., Dragomirescu, A., Bărglăzan, M. 2017 Environmental Engineering and Management Journal 16(4), pp. 979-988 Link SCOPUS	1,334		1	2,334
	Exceptional floods on a developed river: case study for the Bistrita River from the Eastern Carpathians (Romania) Cojoc, G.M., Romanescu, G., Tirnovan, A. 2015 Natural Hazards 77(3), pp. 1421-1451 Link SCOPUS	1,746		1	2,746
	Causes and effects of the catastrophic flooding on the Siret River (Romania) in July-August 2008 Romanescu, G., Stoleriu, C. 2013 Natural Hazards 69(3), pp. 1351-1367 Link SCOPUS	1,958		1	2,958
	Floods in the siret and pruth basins (Book Chapter) Romanescu, G. 2013 Geomorphological Impacts of Extreme Weather: Case Studies From Central and Eastern Europe pp. 99-120 Link SCOPUS	0		1	1

	Specific features of a counter-rotating transmission for renewable energy systems By: Climescu, Oliver; Saulescu, Radu; Jaliu, Codruta 3rd Conference on Sustainable Energy (CSE) Location: Brasov, ROMANIA, NOV 10-12, 2011 ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 10 Issue: 8 Pages: 1105-1113 Published: AUG 2011 Link WOS	1,004	1	2,004
	Rapid manufacturing by polyjet technology of customized turbines for renewable energy generation By: Udrioiu, R., Nedelcu, A., Deaky, B. Environmental Engineering and Management Journal, 10 (9), pp. 1387-1394, 2011 Link WOS	1,004	1	2,004
	An analysis of the state of impact assessment research for low carbon power production: Building a better understanding of information and knowledge gaps Hanna, K., McGuigan, E., Noble, B., Parkins, J. 2019 Energy Research and Social Science 50, pp. 116-128 Link SCOPUS	3,815	1	4,815
	Pollution Sources and Water Quality in the Bistrita Catchment (Eastern Carpathians) By: Romanescu, Gheorghe; Cojoc, Gianina Maria; Sandu, Ioan Gabriel; et al. REVISTA DE CHIMIE Volume: 66 Issue: 6 Pages: 855-863 Published: JUN 2015 Link WOS	1,755	1	2,755
	Water Chemism Within the Settling Pond of Valea Straja and the Quality of the Suha Water Body (Eastern Carpathians) By: Romanescu, Gheorghe; Tirnovan, Alina; Sandu, Ion; et al. REVISTA DE CHIMIE Volume: 66 Issue: 10 Pages: 1700-1706 Published: OCT 2015 Link WOS	1,755	1	2,755
	Unstable flow analysis of transient process in the pump as turbine during turbine mode caused by pump power failure Zhang, CY; Pavesi, G; (...); Shen, JW 2024 PHYSICS OF FLUIDS 36 (11) Link WOS	4,1	1	5,1
	Identification of Potential Sites for Small-Scale Hydropow Plants Using a Geographical Information System: A Case Studyon Fetam River Basin Desalegn, H., Damtew, B., Mulu, A., Tadele, A. 2023 Journal of The Institution of Engineers (India):Series A, 104(1), 00. 81-94 Link SCOPUS	0	1	1
3	Dynamic Features of Speed Increasers from Mechatronic Wind and Hydro Systems. Part I: Structure Kinematics Jaliu, C.; Diaconescu, D. V.; Neagoe, M.; Săulescu R. DOI 10.1007/978-1-4020-8915-2_43 https://link.springer.com/chapter/10.1007/978-1-4020-8915-2_43 Link SCOPUS Link WOS	0	7	7,0
	Promoting novel approaches of MMS for sustainable energy applications Visa, Ion Mechanisms and Machine Science, 1, pp. 25-34, 2011 Link SCOPUS	0	1	1
	On a new planetary speed increaser drive used in small hydros. Part II. Dynamic model Săulescu, R., Jaliu, C., Diaconescu, D., Climescu, O. 2010 Mechanisms and Machine Science 5, pp. 209-216 Link SCOPUS	0	1	1
	On a new planetary speed increaser drive used in small hydros. Part I. Conceptual design Jaliu, C., Diaconescu, D., Săulescu, R., Climescu, O. 2010 Mechanisms and Machine Science 5, pp. 199-207 Link SCOPUS	0	1	1

	Algorithm for the development of a concept for a mechanical function used in res By: Climescu, Oliver; Saulescu, Radu; Jaliu, Codruta; et al. Conference: 1st International Conference on Quality and Innovation in Engineering and Management (QIEM) Location: Cluj Napoca, ROMANIA Date: MAR 17-19, 2011 QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT Pages: 391-396 Published: 2011 Link WOS	0	1	1
	Dynamic simulations of a planetary chain speed increaser for RES By: Saulescu, Radu; Diaconescu, Dorin; Jaliu, Codruta; et al. Conference: 20th International Danube-Adria-Association-for-Automation-and-Manufacturing Symposium Location: Vienna, AUSTRIA Date: NOV 25-28, 2009 Link WOS	0	1	1
	Conversion analysis of a planetary chain-set speed reducer into a speed increaser to be used in RES Jaliu, C., Diaconescu, D.V., Săulescu, R., Climescu, O. 2010 Renewable Energy and Power Quality Journal 1(8),305, pp. 270-273 Link SCOPUS	0	1	1
	Numerical Simulation and Experimental Validation of Planetary gearbox System Design to Govern Constant Generator Speed in Hydro Power Plant Open Access Bhargav, Parameshwaran, M.A., Sivaraj, S., Venkataram, N. 2019 IOP Conference Series: Materials Science and Engineering, 624(1),012008 Link SCOPUS	0	1	1
4	On a new cycloidal planetary gear used to fit mechatronic systems of RES Neagoe, M.; Diaconescu, D.; Jaliu, C.; Pascale, L., Săulescu, R., Siscă, S. Conference: 11th International Conference on Optimization of Electrical and Electronic Equipment Location: Brasov, ROMANIA Date: MAY 22-23, 2008 PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL II A AND B Pages: 439-+ Published: 2008, ISBN: 978-142441544-1 DOI: 10.1109/OPTIM.2008.4602446 https://ieeexplore.ieee.org/document/4602446 Link WOS	1,708	9	10,708
	Generation principle of helix tooth profile in hypocycloid pinwheel transmission and its contact characteristics Chen, B.-K., Xiang, D.-Y., Tan, R.-L., (...), Hu, P., Jiang, Y.-Z. 2016 Journal of Donghua University (English Edition) 33(3), pp. 352-357 Link SCOPUS	0	1	1
	Dynamic modeling of a new version of cylindrical planetary gear used for a robotic arm Pascale, L., Patric, P.C. 2014 Applied Mechanics and Materials 511-512, pp. 683-686 Link SCOPUS	0	1	1
	On the efficiency of a planetary speed increaser usable in small hydros Climescu, O., Jaliu, C., Săulescu, R. 2013 Mechanisms and Machine Science 13, pp. 259-268 Link SCOPUS	0	1	1
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	Efficiency analysis of new two-stage cycloid drive concept Matejić, M., Blagojević, M., Kostić, N., Petrović, N., Marjanović, N. 2020 Tribology in Industry 42(2), pp. 337-343 Link SCOPUS	0	1	1
5	Comparative analysis of the infield response of five types of photovoltaic modules Visa, Ion; Burduhos, Bogdan; Neagoe, Mircea; Moldovan, Macedon; Duta, Anca RENEWABLE ENERGY Volume: 95 Pages: 178-190 Published: SEP 2016 https://doi.org/10.1016/j.renene.2016.04.003 https://www.sciencedirect.com/science/article/abs/pii/S0960148116302956 Link SCOPUS Link WOS	124,345	27	151,345
	Photovoltaic development in Romania. Reviewing what has been done By: Nastase, Gabriel; Serban, Alexandru; Dragomir, George; et al. RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 94 Pages: 523-535 Published: OCT 2018 Link WOS	9,184	1	10,184
	Performance Evaluation of Maximum Power Point Tracking Approaches and Photovoltaic Systems By: Islam, Haidar; Mekhilef, Saad; Shah, Noraisyah Binti Mohamed; et al. ENERGIES Volume: 11 Issue: 2 Article Number: 365 Published: FEB 2018 Link WOS	2,676	1	3,676
	Effects of partial shading on energy and exergy efficiencies for photovoltaic panels By: Bayrak, Fatih; Erturk, Gamze; Oztop, Hakan F. JOURNAL OF CLEANER PRODUCTION Volume: 164 Pages: 58-69 Published: OCT 15 2017 Link WOS	5,651	1	6,651
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	Performance assessment of five different photovoltaic module technologies under outdoor conditions in Algeria By: Balaska, Amira; Tahri, Ali; Tahri, Fatima; et al. RENEWABLE ENERGY Volume: 107 Pages: 53-60 Published: JUL 2017 Link WOS	4,9	1	5,9

Power Quality Analysis of a 6 kW Photovoltaic System Interconnected with the Distribution Grid of a Laboratories Building By: Aristizabal Cardona, Andres Julian; Paez Chica, Carlos Arturo Conference: 3rd IEEE Workshop on Power Electronics and Power Quality Applications (PEPQA) Location: Bogota, COLOMBIA Date: MAY 31-JUN 02, 2017 Link WOS	0	1	1
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Energy performance of 3 silicon-based PV module technologies in 20 sites of Morocco Bennouna, A., Aarich, N., Erraissi, N., (...), Aboufirass, M., Ghennoui, A. 2019 Energy for Sustainable Development, 53, pp. 30-56 Link WOS	3,307	1	4,307
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Comparative Study of Two Commercial Photovoltaic Panels under Natural Sunlight Conditions Cotfas, D.T., Cotfas, P.A. 2019 International Journal of Photoenergy, 2019, 8365175 Link WOS	2,026	1	3,026
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Perspective of CIGS-BIPV's Product Competitiveness in China By: Kong, Hui; Yu, Zhufeng; Zhang, Jun; et al. INTERNATIONAL JOURNAL OF PHOTOENERGY Volume: 2020 Article Number: 5392594 Published: AUG 11 2020 Link WOS	1,88	1	2,88
Techno-economic analysis of a combined cooling, heating and power system based on hot sedimentary aquifer for hotel building in tropical countries By: Prasetyo, Heru; Euodia, Kezia Dara; Purwanto, Widodo Wahyu Conference: 25th Regional Symposium on Chemical Engineering (RSCE) Location: Makati, PHILIPPINES Date: NOV 21-22, 2018 Sponsor(s): Salle Univ 25TH REGIONAL SYMPOSIUM ON CHEMICAL ENGINEERING (RSCE 2018) Book Series: MATEC Web of Conferences Volume: 268 Article Number: 06006 Published: 2019 Link SCOPUS	0	1	1
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	Economic assessment of grid-connected residential solar photovoltaic systems introduced under Romania's new regulation Cristea, C., Cristea, M., Birou, I., Tirnovan, R.-A. 2020 Renewable Energy 162, pp. 13–29 Link SCOPUS	6,274	1	7,274
	Potential of building integrated and attached/applied photovoltaic (BIPV/BAPV) for adaptive less energy-hungry building's skin: A comprehensive review Ghosh, A. 2020 Journal of Cleaner Production 276,123343 Link SCOPUS	7,246	1	8,246
	Prospects for Solar Energy Development in Belarus and Tatarstan Bahach, U; Brin, A; (...); Ilyashenko, S Energies Dec 2021, 14 (24) Link WOS	3,252	1	4,252
	A Review on Factors Influencing the Mismatch Losses in Solar Photovoltaic System Dhass, A.D., Beemkumar, N., Harikrishnan, S., Ali, H.M. 2022 International Journal of Photoenergy 2022,2986004 Link WOS	2,535	1	3,535
	Energy Efficiency of Multi-Technology PV Modules under Real Outdoor Conditions—An Experimental Assessment in Ghardaïa, Algeria Fezzani, A., Hadj-Mahammed, I., Kouzou, A., (...), Kennel, R., Abdelrahem, M. 2022 Sustainability (Switzerland) 14(3),1771 Link WOS	3,889	1	4,889
	Solar photovoltaic module detection using laboratory and airborne imaging spectroscopy data, Chaonan Ji, Martin Bachmann, Thomas Esch, Hannes Feilhauer, Uta Heiden, Wieke Heldens, Andreas Hueni, Tobia Lakes, Annekatrin Metz-Marconcini, Marion Schroedter-Homscheidt, Susanne Weyand, Julian Zeidler, Remote Sensing of Environment, Volume 266, 2021, 112692, ISSN 0034-4257, https://doi.org/10.1016/j.rse.2021.112692 . (https://www.sciencedirect.com/science/article/pii/S0034425721004120) Link WOS	13,85	1	14,85
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	Performance comparison of monocrystalline and polycrystalline photovoltaic modules before testing with a cooling system Supriyono, T; Omar, G; (...); Yamin, M 2024 COGENT ENGINEERING 11 (1) Link WOS	2,1	1	3,1
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	A new recursive method based on datasheet information to calculate the double diode model parameters of commercially available photovoltaic modules Sentürk, A 2024 RENEWABLE ENERGY 227 Link WOS	9	1	10

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	Efficiency Assessment of Five Types of Photovoltaic Modules Installed on a Fixed and on a Dual-Axis Solar-Tracked Platform Moldovan, M; Burduhos, BG; Visa, I 2023 ENERGIES 16(3) Link WOS	3	1	4
6	Modeling and Optimization of the Global Solar Irradiance Collecting Efficiency Burduhos, Bogdan Gabriel; Visa, Ion; Neagoe, Mircea; Badea, Milian INTERNATIONAL JOURNAL OF GREEN ENERGY Volume: 12 Issue: 7 Pages: 743-755 Published: 2015 https://doi.org/10.1080/15435075.2014.884499 https://www.tandfonline.com/doi/abs/10.1080/15435075.2014.884499 Link SCOPUS Link WOS	10,417	6	16,417
	Energy gleaning for extracting additional energy and improving the efficiency of 2-axis time-position tracking photovoltaic arrays under variably cloudy skies By: Quinn, Stephanie White SOLAR ENERGY Volume: 148 Pages: 25-35 Published: MAY 15 2017 Link WOS	4,374	1	5,374
	Improving Tracking Efficiency of Two-Axis Sun Tracking Systems By: Kentli, Fevzi; Yilmaz, Musa ENERGY HARVESTING AND ENERGY EFFICIENCY: TECHNOLOGY, METHODS, AND APPLICATIONS Book Series: Lecture Notes in Energy Volume: 37 Pages: 179-203 Published: 2017 Link WOS	0	1	1
	Innovative Solutions for Solar Thermal Systems Implemented in Buildings By: Visa, Ion; Duta, Anca Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO - YRC) Location: Bucharest, ROMANIA Date: NOV 18-20, 2015 Sponsor(s): Tech Univ Civil Engr, Fac Bldg Serv Engr EENVIRO-YRC 2015 - BUCHAREST Book Series: Energy Procedia Volume: 85 Pages: 594-602 Published: 2016 Link WOS	0	1	1
	Design and experimental optimisation of a novel flat plate solar thermal collector with trapezoidal shape for facades integration By: Visa, Ion; Duta, Anca; Comsit, Mihai; Moldovan, Macedon ; Ciobanu, Daniela; Saulescu, Radu ; Burduhos, Bogdan APPLIED THERMAL ENGINEERING Volume: 90 Pages: 432-443 Published: NOV 5 2015 Link WOS	3,043	1	4,043
	An Investigation on the Outcomes of Rail-Based Solar Tracking System Incorporating Minimum Torque Condition for Increasing the Photovoltaic Energy Capture on Sunny Days Yadav, A.A., V Ramana, P. 2020 Green Energy and Technology pp. 357-397 Link SCOPUS	0	1	1
	Efficiency Assessment of Five Types of Photovoltaic Modules Installed on a Fixed and on a Dual-Axis Solar-Tracked Platform Moldovan, M; Burduhos, BG; Visa, I 2023 ENERGIES 16(3) Link WOS	3	1	4

7	Dynamic simulations regarding the influence of the load-rigidity correlation on the working accuracy of a medical Triglade parallel robot Rat, N. R.; Neagoe, M.; Diaconescu, D.; Stan, S. D. MECHANIKA Issue: 2 Pages: 178-181 Published: 2011 https://doi.org/10.5755/j01.mech.17.2.336 https://www.mechanika.ktu.lt/index.php/Mech/article/view/336 Link WOS Link SCOPUS	2,092	8	10,092
	Terms of geometric action of rotating ball follower By: Kuchar, Maciej MECHANIKA Issue: 6 Pages: 577-581 Published: 2014 Link WOS	0,292	1	1,292
	Kinematic parameter identification of parallel robots for semi-physical simulation platform of space docking mechanism By: Yu, Dayong; Chen, Weifang; Li, Hongren MECHANIKA Issue: 5 Pages: 529-534 Published: 2011 Link WOS	0	1	1
	A sequencing approach of models in mixed-model assembly lines By: Zheng Yongqian; Wang Yunpeng; Hu Bo; et al. MECHANIKA Issue: 4 Pages: 418-422 Published: 2011 Link WOS	0	1	1
	Design, workspace analysis and inverse kinematics problem of Delta parallel robot By: Szep, C.; Stan, S. -D.; Csibi, V. MECHANIKA Issue: 3 Pages: 296-299 Published: 2011 Link WOS	0	1	1
	Analysis of a 6-DOF parallel robot motion simulation Miclosina, C.O., Cojocaru, V., Korka, Z.I. 2020 Journal of Physics: Conference Series 1426(1),012003 Link WOS	0	1	1
	Analytic synthesis of a four-bar mechanism as part of a reclining mechanism Cobilean, V., Oarcea, A., Stan, S.-D. 2021 Proceedings of 2021 9th International Conference on Modern Power Systems, MPS 2021 9492653 Link WOS	0	1	1
	Control Process for an Industrial Bending Machine Designed for Metal Processing Oarcea, A., Cobilean, V., Stan, S.-D., Boziean, A. 2022 Mechanisms and Machine Science 108 MMS, pp. 471-480 Link WOS	0	1	1
	Real-time fuzzy position control and design of Star parallel robot Aydin, M 2024 JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING 46(12) Link WOS	1,8	1	2,8
8	Pseudo-equatorial tracking optimization for small photovoltaic platforms from Toronto/Canada Burduhos, B., Toma, C., Neagoe, M., Moldovan, M. 2011 Environmental Engineering and Management Journal 10(8), pp. 1059-1068 DOI:10.30638/EEMJ.2011.154 http://www.eemj.icpm.tuiasi.ro/pdfs/vol10/no8/17_341_Burduhos_11.pdf Link WOS Link SCOPUS	3	5	8

	Dual-axis tracked vs. fixed PV: Energetic response of one-year testing period in Romania Burduhos, B., Diaconescu, D., Moraru, S., Badea, M., Grigorescu, C. 2012 Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 6231971, pp. 979-986 Link WOS	0	1	1
	One Year Experimental Evaluation of the Electrical Gain by Solar Tracking a 12 KW Photovoltaic System Installed on a Building Rooftop Moldovan, M., Visa, I. 2021 Mechanisms and Machine Science 91, pp. 551-559 Link SCOPUS	0	1	1
	Feasibility assessment of a sustainable building applied photovoltaic (bapv) system with solar tracking features based on techno-economic criteria: malaysia case study Ramadhani, F., Erixno, O., Rahim, N.A., Rivai, A., Amin, N. 2024 Journal of Applied Engineering and Technological Science, 6(1), pp. 393-415 Link SCOPUS	0	1	1
	Experimental Energy Gain Assessment of a Photovoltaic System Equipped with a Biaxial Solar Tracking Mechanism Moldovan, M., Visa, I., Burduhos, B. 2023 Mechanisms and Machine Science, 127, pp. 3-10 Link SCOPUS	0	1	1
	Efficiency Assessment of Five Types of Photovoltaic Modules Installed on a Fixed and on a Dual-Axis Solar-Tracked Platform Moldovan, M.; Burduhos, BG; Visa, I 2023 ENERGIES 16(3) Link WOS	3	1	4
9	Comparative dynamic analysis of two parallel robots By: Rat, Nadia Ramona; Neagoe, Mircea; Stan, Sergiu-Dan Conference: 5th International Conference on Robotics and Automation Systems Location: Cluj Napoca, ROMANIA Date: SEP 23-25, 2010 ROBOTICS AND AUTOMATION SYSTEMS Book Series: Solid State Phenomena Volume: 166-167 Pages: 345-+ Published: 2010 https://doi.org/10.4028/www.scientific.net/SSP.166-167.345 https://www.scientific.net/SSP.166-167.345 Link SCOPUS Link WOS	0	1	1
	Performance analysis of 3 DOF Delta parallel robot By: Stan, Sergiu-Dan; Manic, Milos; Szep, Cristian; Balan, Radu Conference: 4th International Conference on Human System Interaction (HSI) Location: Keio Univ, Yokohama, JAPAN Date: MAY 19-21, 2011 Sponsor(s): Kagawa Univ; IEEE IES; JSPE; Univ Informat Technol & Management Rzeszow 4TH INTERNATIONAL CONFERENCE ON HUMAN SYSTEM INTERACTION (HSI 2011) Book Series: Conference on Human System Interaction Pages: 215-220 Published: 2011 Link WOS	0	1	1
10	Facades integrated solar-thermal collectors - challenges and solutions By: Visa, Ion; Moldovan, Macedon; Comsit, Mihai; Neagoe, Mircea; Duta, Anca Conference: Conference on Sustainable Solutions for Energy and Environment (EENVIRO) Location: Bucharest, ROMANIA Date: OCT 26-28, 2016 Sponsor(s): Tech Univ Civil Engn; Romanian Acad SUSTAINABLE SOLUTIONS FOR ENERGY AND ENVIRONMENT, EENVIRO 2016 Book Series: Energy Procedia Volume: 112 Pages: 176-185 Published: 2017 https://doi.org/10.1016/j.egypro.2017.03.1080 https://www.sciencedirect.com/science/article/pii/S1876610217312055 Link WOS Link SCOPUS	73,452	29	102,452

Life Cycle Assessment of Solar Facade Concepts Based on Transparent Insulation Materials By: Struhala, Karel; Cekon, Miroslav; Slavik, Richard SUSTAINABILITY Volume: 10 Issue: 11 Article Number: 4212 Published: NOV 2018 Link WOS	2,075	1	3,075
Polycarbonate multi-wall panels integrated in multi-layer solar façade concepts Čekon, M., Struhala, K. 2018 IOP Conference Series: Materials Science and Engineering 415(1),012019 Link SCOPUS	0	1	1
Infield output of a new solar-thermal façade with increased architectural acceptance Visa, I., Moldovan, M., Comsit, M., Duta, A. 2017 Advanced Materials – TechConnect Briefs 2017 2, pp. 62-65 Link SCOPUS	0	1	1
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Outdoor performance of a trapeze solar thermal collector for facades integration Visa, I., Duta, A., Moldovan, M. 2019 July, Renewable Energy pp. 37-44 Link WOS	5,439	1	6,439
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Development of an indoor testing rig for façade integrated solar thermal collectors Moldovan, M., Vişa, I. 2019 E3S Web of Conferences Volume 85, 22 February 2019, Article number 04005 2018 Sustainable Solutions for Energy and Environment, EENVIRO 2018; Cluj Napoca; Romania; 9 October 2018 through 13 October 2018; Code 145542 Link WOS	0	1	1
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A parametric study on the impact of integrating solar cell panel at building envelope on its power, energy consumption, comfort conditions, and CO2 emissions Elghamry, R., Hassan, H., Hawwash, A.A. 2020 Journal of Cleaner Production 249,119374 Link WOS	6,395	1	7,395

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CFD model-based analysis and experimental assessment of key design parameters for an integrated unglazed metallic thermal collector façade Elguezabal, P., Lopez, A., Blanco, J.M., Chica, J.A. 2020 Renewable Energy, 146, pp. 1766-1780 Link WOS	5,439	1	6,439
Decision support for retrofitting building envelopes using multi-objective optimization under uncertainties By: Chang, Soowon; Castro-Lacouture, Daniel; Yamagata, Yoshiki JOURNAL OF BUILDING ENGINEERING Volume: 32 Article Number: 101413 Published: NOV 2020 Link WOS	3,379	1	4,379
Potential for Building Facade-Integrated Solar Thermal Collectors in a Highly Urbanized Context By: Frattolillo, Andrea; Canale, Laura; Ficco, Giorgio; et al. ENERGIES Volume: 13 Issue: 21 Article Number: 5801 Published: NOV 2020 Link WOS	2,702	1	3,702
Effect of obstruction on thermal performance of solar water heaters By: Li, Da-peng; Wang, Yu-fan; Liu, Gang; et al. JOURNAL OF CENTRAL SOUTH UNIVERSITY Volume: 27 Issue: 4 Special Issue: SI Pages: 1273-1289 Published: APR 2020 Link WOS	1,249	1	2,249
The influence of the solar thermal collectors integrated into the building facade on the building thermal energy demand across europe By: Moldovan, Macedon; Visa, Ion; Rusea, Ioana Denisa JOURNAL OF SCIENCE AND ARTS Issue: 1 Pages: 203-214 Published: 2020 Link WOS	0	1	1
Inorganic, Coloured Thin Films for Solar Thermal Energy Convertors in Sustainable Buildings Perniu, D., Covei, M., Bogatu, C., Isac, L., Visa, I., Duta, A. 2020 Energy Efficient Building Design pp. 61-73 Link SCOPUS	0	1	1
Numerical investigation of the impact of integrating solar collectors under stagnation Salem, T., Metni, N., Kasma, M., Hanna, H. 2020 2020 5th International Conference on Renewable Energies for Developing Countries, REDEC 2020 9163872 Link WOS	0	1	1
Experimental Performance Assessment of Vertically Installed Solar Thermal Collectors By: Visa, Ion; Moldovan, Macedon; Duta, Anca Conference: 24th Interklina International Conference Location: Zagreb, CROATIA Date: APR 11-12, 2019 Sponsor(s): Univ Zagreb, Fac Mech Engrg & Naval Architecture; SDEWES Ctr; Univ Maribor, Fac Energy Technol JOURNAL OF SUSTAINABLE DEVELOPMENT OF ENERGY WATER AND ENVIRONMENT SYSTEMS-JSDEWES Volume: 8 Issue: 4 Pages: 692-700 Published: DEC 2020 Link WOS	0	1	1
New materials for finishing of ancient monuments and process of obtaining and applying Sandu, I., Deak, G., Ding, Y., (...), Moncea, M.-A., Sandu, I.G. 2021 International Journal of Conservation Science 12(4), pp. 1249-1258 Link WOS	0,76	1	1,76

	Thermal performance and parametric analysis of a dual-function active solar thermal façade system Li, R., Cui, G. 2021 Journal of Building Engineering 42,103042 Link WOS	7,144	1	8,144
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	Solar-thermal collector energy optimisation based on optimum input temperature mode Florin, T.M., Florin, I. 2022 2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022 - Proceedings, DOI: 10.1109/EEAE53789.2022.9831265 Link SCOPUS	0	1	1
	Bionically inspired flattened linear Fresnel concentrator and its photothermal application on building façade Duan, ZX; Li, ZJ; (...); Zhang, LN 2024 SOLAR ENERGY 283 Link WOS	6	1	7
	Analysis of the heat collection performance of a capillary solar heat collection wall structure Lu, ZH; Zhang, GL; (...); Hu, YX 2024 APPLIED THERMAL ENGINEERING 240 Link WOS	6,1	1	7,1
	Assessing the effects of photovoltaic and solar thermal ratios on performance, cost, and emissions in combined solar configurations Kazemian, A., Yang, H., Xiang, C. 2025 Applied Energy, 384, 125438 Link WOS	10,1	1	11,1
	Sustainable Product Development Through the Interdisciplinary Study Programme Engineering of Renewable Energy Systems Moldovan, M., Visa, I. 2024 Mechanisms and Machine Science, 149, pp. 721–731 Link SCOPUS	0	1	1
	Novel Pseudo 3D Design of Solar Thermal Facades with Triangle and Trapeze Solar Thermal Collectors for Increased Architectural Acceptance Rusea, D., Moldovan, M., Visa, I. 2023 Mechanisms and Machine Science, 134, pp. 27–36 Link SCOPUS	0	1	1
	Performance of the main technologies demonstrated in the ENVISION project Finocchi, P., Rattazzi, D., Tavaroli, F., Spigiantini, G. 2023 E3S Web of Conferences, 414, 03013 Link SCOPUS	0	1	1
11	Solar heating & cooling energy mixes to transform low energy buildings in nearly zero energy buildings By: Moldovan, M.D., Visa, I., Neagoe, M., Burduhos, B.G. 2014 Energy Procedia 48, pp. 924-937 https://doi.org/10.1016/j.egypro.2014.02.106 https://www.sciencedirect.com/science/article/pii/S1876610214003683 Link WOS Link SCOPUS	50,355	25	75,355
	Enhanced Sustainable Cooling for Low Energy Office Buildings in Continental Temperate Climate	1,346	1	2,346

	Moldovan, M.D., Visa, I., Duta, A. 2017 Journal of Energy Engineering 143(5),04017054 Link WOS			
	Performance analysis of a soil-based thermal energy storage system using solar-driven air-source heat pump for Danish buildings sector Jradi, M., Veje, C., Jørgensen, B.N. 2017 Applied Thermal Engineering 114, pp. 360-373 Link WOS	3,771	1	4,771
	A Solar Heating and Cooling System in a Nearly Zero-Energy Building: A Case Study in China Sun, Z., Zhao, Y., Xu, W., (...), He, T., Wang, D. 2017 International Journal of Photoenergy 2017,2053146 Link WOS	1,547	1	2,547
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	Differential planetary gear transmissions usable in renewable energy systems Saulescu, R., Jaliu, C., Ciobanu, D., Diaconescu, D. 2012 Mechanisms and Machine Science 3, pp. 273-280 Link SCOPUS	0	1	1
	On the use of 2 DOF planetary gears as "speed increasers" in small hydros and wind turbines Saulescu, R., Jaliu, C., Climescu, O., Diaconescu, D.V. 2011 Proceedings of the ASME Design Engineering Technical Conference 8, pp. 601-610 Link SCOPUS	0	1	1
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24	Analysis of the Conversion Efficiency of Five Types of Photovoltaic Modules During High Relative Humidity Time Periods Burduhos, Bogdan-Gabriel ; Visa, Ion ; Duta, Anca; Neagoe, Mircea IEEE JOURNAL OF PHOTOVOLTAICS Volume 8 Issue 6 Page 1716-1724 Published 2018 DOI: 10.1109/JPHOTOV.2018.2861720 https://ieeexplore.ieee.org/document/8434088 Link WOS Link SCOPUS	79,043	17	96,043
	Multiconcept Methods to Enhance Photovoltaic System Efficiency Cotfas, DT; Cotfas, PA INTERNATIONAL JOURNAL OF PHOTOENERGY Volume: 2019, Article Number: 1905041, DOI: 10.1155/2019/1905041, Published: NOV 25 2019 Link WOS	2,026	1	3,026
	Novel Photovoltaic Hot-Spotting Fault Detection Algorithm(Article) Dhimish, M.Email Author, Mather, P., Holmes, V. IEEE Transactions on Device and Materials Reliability Volume 19, Issue 2, June 2019, Article number 8685128, Pages 378-386 Link SCOPUS	1,583	1	2,583
	Employing genetic programming to find the best correlation to predict temperature of solar photovoltaic panels By: Sohani, Ali; Sayyaadi, Hoseyn ENERGY CONVERSION AND MANAGEMENT Volume: 224 Article Number: 113291 Published: NOV 15 2020 Link WOS	8,208	1	9,208
	Impact of absolute and relative humidity on the performance of mono and poly crystalline silicon photovoltaics; applying artificial neural network By: Sohani, Ali; Shahverdian, Mohammad Hassan; Sayyaadi, Hoseyn; et al. JOURNAL OF CLEANER PRODUCTION Volume: 276 Article Number: 123016 Published: DEC 10 2020 Link WOS	7,246	1	8,246
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	Systematic photovoltaic system power losses calculation and modeling using computational intelligence techniques Hashemi, B., Taheri, S., Cretu, A.-M., Pouresmaeil, E. 2021 Applied Energy 284,116396 Link WOS	11,446	1	12,446
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	Classification and segmentation of five photovoltaic types based on instance segmentation for generating more refined photovoltaic data Chen, D; Peng, QZ; (...); Peng, FC 2024 APPLIED ENERGY 376 Link WOS	10,1	1	11,1
	Efficiency Assessment of Five Types of Photovoltaic Modules Installed on a Fixed and on a Dual-Axis Solar-Tracked Platform Moldovan, M; Burduhos, BG; Visa, I 2023 ENERGIES 16(3) Link WOS	3	1	4
	Data Driven Analysis of the Impact of Weather Parameters on Solar Photovoltaic Panels Efficiency in a Sahel Region: Future Prospects Abdelhamid Issa Hassane, Herve, S.A., Alphonse, H., ... Ruben, M., Luc, N.J. 2024 Applied Solar Energy, 60(2), pp. 313–327 Link WOS	0	1	1
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	Assessment of Data Acquisition System for Forecasting Temperature and Solar Irradiation Zahraoui, Y., Korotko, T., Mekhilef, S., Alhamrouni, I. 2023 International Conference on Engineering Technology and Technopreneurship, ICE2T 2023, pp. 408–413 Link SCOPUS	0	1	1
25	Conceptual synthesis of speed increasers for wind turbine conversion systems Saulescu R., Neagoe M., Jaliu C. 2018, Energies, (9) https://doi.org/10.3390/en11092257 https://www.mdpi.com/1996-1073/11/9/2257 Link WOS Link SCOPUS	1,934	3	4,934

	Tribological properties of the PA46 and Teflon added PA46 polyamides Lates, M.T. IOP Conference Series: Materials Science and Engineering Volume 568, Issue 1, 17 September 2019, Article number 012026 Annual International Session of Scientific Papers – IMT Oradea 2019; Oradea, Felix SPA; Romania; 30 May 2019 through 31 May 2019; Code 152405 Link SCOPUS	0	1	1
	Influence of the silent chain link geometry on the link / chain guide contact Lates, M.T.Email Author, Gavrilă, C.C. IOP Conference Series: Materials Science and Engineering Volume 568, Issue 1, 17 September 2019, Article number 012036 Annual International Session of Scientific Papers – IMT Oradea 2019; Oradea, Felix SPA; Romania; 30 May 2019 through 31 May 2019; Code 152405 Link SCOPUS	0	1	1
	Energy harvesting efficiency analysis of counter-rotating horizontal-axis tidal turbines Cao, Y., Wang, J., Ding, B., Wang, S., Bai, Y. 2022 Ships and Offshore Structures 17(8), pp. 1891-1900 Link WOS	1,934	1	2,934
26	Novel speed increaser used in counter-rotating wind turbines Neagoe M., Saulescu R., Jaliu C., Cretescu N. 2017, Mechanisms and Machine Science, 143-151 https://doi.org/10.1007/978-3-319-45450-4_15 https://link.springer.com/chapter/10.1007/978-3-319-45450-4_15 Link WOS Link SCOPUS	0	2	2
	Tribological properties of the PA46 and Teflon added PA46 polyamides Lates, M.T. IOP Conference Series: Materials Science and Engineering Volume 568, Issue 1, 17 September 2019, Article number 012026 Annual International Session of Scientific Papers – IMT Oradea 2019; Oradea, Felix SPA; Romania; 30 May 2019 through 31 May 2019; Code 152405 Link SCOPUS	0	1	1
	Influence of the silent chain link geometry on the link / chain guide contact Lates, M.T.Email Author, Gavrilă, C.C. IOP Conference Series: Materials Science and Engineering Volume 568, Issue 1, 17 September 2019, Article number 012036 Annual International Session of Scientific Papers – IMT Oradea 2019; Oradea, Felix SPA; Romania; 30 May 2019 through 31 May 2019; Code 152405 Link SCOPUS	0	1	1
27	Kinematic and dynamic analysis of a 4DOF parallel robot with flexible links Cretescu N., Neagoe M., Saulescu R. 2017, Mechanisms and Machine Science, 473-481 https://doi.org/10.1007/978-3-319-45450-4_48 https://link.springer.com/chapter/10.1007/978-3-319-45450-4_48 Link SCOPUS	1,3	3	4,3
	Tribological properties of the PA46 and Teflon added PA46 polyamides Lates, M.T. IOP Conference Series: Materials Science and Engineering Volume 568, Issue 1, 17 September 2019, Article number 012026 Annual International Session of Scientific Papers – IMT Oradea 2019; Oradea, Felix SPA; Romania; 30 May 2019 through 31 May 2019; Code 152405 Link SCOPUS	0	1	1

	Influence of the silent chain link geometry on the link / chain guide contact Lates, M.T.Email Author, Gavrilă, C.C. IOP Conference Series: Materials Science and Engineering Volume 568, Issue 1, 17 September 2019, Article number 012036 Annual International Session of Scientific Papers – IMT Oradea 2019; Oradea, Felix SPA; Romania; 30 May 2019 through 31 May 2019; Code 152405 Link SCOPUS	0	1	1
	Structural synthesis of the new type 4DOF robot manipulators for industry and medicine Soltanov, S. 2024 Australian Journal of Mechanical Engineering , 22(5), pp. 911–923 Link SCOPUS	1,3	1	2,3
28	Performance analysis of a novel planetary speed increaser used in single-rotor wind turbines with counter-rotating electric generator Saulescu R., Neagoe M., Munteanu O., Cretescu N. 2016, IOP Conference Series: Materials Science and Engineering, (1) DOI 10.1088/1757-899X/147/1/012090 https://iopscience.iop.org/article/10.1088/1757-899X/147/1/012090 Link SCOPUS	0	1	1
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29	Improving the energy performance of wind turbines implemented in the built environment using counter-rotating planetary transmissions Saulescu R., Neagoe M., Jaliu C. 2016, IOP Conference Series: Materials Science and Engineering, (1) DOI 10.1088/1757-899X/147/1/012089 https://iopscience.iop.org/article/10.1088/1757-899X/147/1/012089 Link WOS Link SCOPUS	0	2	2
	Tribological properties of the PA46 and Teflon added PA46 polyamides Lates, M.T. IOP Conference Series: Materials Science and Engineering Volume 568, Issue 1, 17 September 2019, Article number 012026 Annual International Session of Scientific Papers – IMT Oradea 2019; Oradea, Felix SPA; Romania; 30 May 2019 through 31 May 2019; Code 152405 Link SCOPUS	0	1	1
	Influence of the silent chain link geometry on the link / chain guide contact Lates, M.T.Email Author, Gavrilă, C.C. IOP Conference Series: Materials Science and Engineering Volume 568, Issue 1, 17 September 2019, Article number 012036 Annual International Session of Scientific Papers – IMT Oradea 2019; Oradea, Felix SPA; Romania; 30 May 2019 through 31 May 2019; Code 152405 Link SCOPUS	0	1	1
30	Optimising the strokes and loads of the linear actuators in a two degrees of freedom linkage used in solar tracking systems Moldovan M., Visa I., Neagoe M. 2015, 2015 IFToMM World Congress Proceedings, IFToMM 2015 https://doi.org/10.6567/IFToMM.14TH.WC.OS16.009 https://www.airitilibrary.com/Article/Detail/P20150909001-201511-201511050030-201511050030-563-572 Link SCOPUS	0	3	3

	Solar Tracking Linkage RSSR for all Latitudes Ion, V., Macedon, M. 2019 Mechanisms and Machine Science, 73, pp. 3541-3550 Link SCOPUS	0	1	1
	Angular stroke requirements for solar tracking azimuthal mechanism at any latitude Macedon, M., Ion, V. 2019 Mechanisms and Machine Science 73, pp. 3573-3582 Link SCOPUS	0	1	1
	One Year Experimental Evaluation of the Electrical Gain by Solar Tracking a 12 KW Photovoltaic System Installed on a Building Rooftop Moldovan, M., Visa, I. 2021 Mechanisms and Machine Science 91, pp. 551-559 Link SCOPUS	0	1	1
31	Dynamic modelling of a 3DOF medical parallel robot with one decoupled motion Neagoe M., Cretescu N., Saulescu R. 2014, Advanced Materials Research, 594-599 https://doi.org/10.4028/www.scientific.net/AMR.837.594 https://www.scientific.net/AMR.837.594 Link SCOPUS	0	1	1
	A Simplified Method for Dynamic Equation of Robot in Generalized Coordinate System Dong, S., Yuan, Z., Zhang, F. 2019 Journal of Physics: Conference Series 1345(4),042077 Link SCOPUS	0	1	1
32	On the eccentricity effects in solar tracking triangular linkage with eccentric linear actuator Saulescu R., Munteanu O., Neagoe M., Cretescu N. 2014, Mechanisms and Machine Science, 209-216 https://doi.org/10.1007/978-3-319-01845-4_21 https://link.springer.com/chapter/10.1007/978-3-319-01845-4_21 Link SCOPUS	1,746	1	2,746
	Air-LUSI: A robotic telescope design for lunar spectral measurements Cataford, A., Gadsden, S.A., Turpie, K. 2020 Advances in Space Research Link SCOPUS	1,746	1	2,746
33	A Generalized Approach to the Steady-State Efficiency Analysis of Torque-Adding Transmissions Used in Renewable Energy Systems By: Neagoe, Mircea; Saulescu, Radu; Jaliu, Codruta; Simionescu, Petru Aurelian ENERGIES Volume: 13 Issue: 17 Article Number: 4568 Published: SEP 2020 https://doi.org/10.3390/en13174568 https://www.mdpi.com/1996-1073/13/17/4568 Link WOS Link SCOPUS	8,749	4	12,749
	Research on Performance Evaluation of Tidal Energy Turbine under Variable Velocity By: Jiang, Chuhua; Shu, Xuedao; Chen, Junhua; et al. ENERGIES Volume: 13 Issue: 23 Article Number: 6313 Published: DEC 2020 Cataford, A., Gadsden, S.A., Turpie, K. 2020 Advances in Space Research Link WOS	2,702	1	3,702
	Development of a high-speed and low-torque loss two-way clutch Waragai, M., Takayama, T. 2022 ROBOMECH Journal 9(1),21 Link WOS	0,63	1	1,63

	Blade design considerations of small wind turbines: From classical to emerging bio-inspired profiles/shapes Siram, O., Saha, U.K., Sahoo, N. 2022 Journal of Renewable and Sustainable Energy 14(4),042701 Link WOS	2,417	1	3,417
	Power Flow in Coupled Three-Row Series-Parallel Planetary Gear System, Part I: Without Power Losses Drewniak, J.; Kadziolka, T.; (...); Stanco, K 2023 ENERGIES 16 (21) Link WOS	3	1	4
34	Design and Simulation of a 1 DOF Planetary Speed Increaser for Counter-Rotating Wind Turbines with Counter-Rotating Electric Generators By: Neagoe, Mircea; Saulescu, Radu; Jaliu, Codruta ENERGIES Volume: 12 Issue: 9 Article Number: 1754 Published: MAY 1 2019 https://doi.org/10.3390/en12091754 https://www.mdpi.com/1996-1073/12/9/1754 Link WOS Link SCOPUS	20,617	5	25,617
	Parametric Study on a Performance of a Small Counter-Rotating Wind Turbine By: Pacholczyk, Michal; Karkosinski, Dariusz ENERGIES Volume: 13 Issue: 15 Article Number: 3880 Published: AUG 2020 Link WOS	2,702	1	3,702
	Axial-Flux Permanent-Magnet Dual-Rotor Generator for a Counter-Rotating Wind Turbine By: Kutt, Filip; Blecharz, Krzysztof; Karkosinski, Dariusz ENERGIES Volume: 13 Issue: 11 Article Number: 2833 Published: JUN 2020 Link WOS	2,702	1	3,702
	A survey on low speed low power axial flux generator design and optimization using simulation Premaratne, P; Kadhim, IJ; (...); Vial, PJ 2022 Neurocomputing 509 , pp.272-289 Link WOS	5,779	1	6,779
	Energy harvesting efficiency analysis of counter-rotating horizontal-axis tidal turbines Cao, Y; Wang, JZ; (...); Bai, Y 2022 Ships and offshore structures 17 (8) , pp.1891-1900 Link WOS	1,934	1	2,934
	Enhancement of the power quality of DFIG-based dual-rotor wind turbine systems using fractional order fuzzy controller Benbouhenni, H; Bizon, N; (...); Gasmı, H 2024 EXPERT SYSTEMS WITH APPLICATION 238 Link WOS	7,5	1	8,5
35	Solar tracking parallel linkage applicable for all latitudes Visa, I., Neagoe, M., Moldovan, M., Comsit, M. 2018 Mechanisms and Machine Science 57, pp. 3-11 https://doi.org/10.1007/978-3-319-79111-1_1 https://link.springer.com/chapter/10.1007/978-3-319-79111-1_1 Link SCOPUS	0	3	3
	Optimum Tilt Angle of Solar Thermal Collectors at Sea Cotorcea, A., Pocora, A., Visa, I. 2020 2020 7th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2020 - Proceedings 9279008 Link SCOPUS	0	1	1

	Angular stroke requirements for solar tracking azimuthal mechanism at any latitude Macedon, M., Ion, V. 2019 Mechanisms and Machine Science 73, pp. 3573-3582 Link SCOPUS	0	1	1
	Solar Tracking Linkage RSSR for all Latitudes Ion, V., Macedon, M. 2019 Mechanisms and Machine Science, 73, pp. 3541-3550 Link SCOPUS	0	1	1
36	On a new parallel tracking system for accurate orientation of concentrated solar convertors Neagoe, M., Visa, I., Cretescu, N., Moldovan, M. 2014 Applied Mechanics and Materials 658, pp. 105-110 https://doi.org/10.4028/www.scientific.net/AMM.658.105 https://www.scientific.net/AMM.658.105 Link SCOPUS	0	1	1
	Research on improvement of dish solar energy tracking system based on fuzzy reasoning Zhu, Z., Wu, H., Song, H., Zheng, J. 2020 Taiyangneng Xuebao/Acta Energiae Solaris Sinica 41(1), pp. 14-20 Link SCOPUS	0	1	1
37	Two degrees of freedom parallel linkage to track solar thermal platforms installed on ships Visa, I., Cotorcea, A., Moldovan, M., Neagoe, M. 2016 IOP Conference Series: Materials Science and Engineering 147(1), 012071 DOI 10.1088/1757-899X/147/1/012071 https://iopscience.iop.org/article/10.1088/1757-899X/147/1/012071 Link SCOPUS	0	2	2
	Determining the optimal inclination and orientation angles of solar panels installed on ship Kurniawan, A., Shintaku, E. 2020 International Journal of Renewable Energy Research 10(1), pp. 45-53 Link SCOPUS	0	1	1
	A hybrid converter based topology for solar powered shipboard power systems Sruthy, V., Anagha, A., Preetha, P.K. 2018 2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 – Proceedings 9012573, pp. 2428-2433 Link SCOPUS	0	1	1
38	Low-speed actuator used in solar tracking systems Jaliu, C., Neagoe, M., Săulescu, R., Dobre, E.-B. 2014 Mechanisms and Machine Science 17, pp. 381-389 https://doi.org/10.1007/978-3-319-01845-4_38 https://link.springer.com/chapter/10.1007/978-3-319-01845-4_38 Link SCOPUS	0	1	1
	Single axis active solar tracker for parabolic trough concentrator evaluated through solar dial target board Nagamani Prabu, A., Thirunavukkarasu, C., Janarthanan, B. 2017 Journal of Advanced Research in Dynamical and Control Systems 9(5 Special Issue), pp. 192-197 Link SCOPUS	0	1	1
39	Rigid vs. flexible links dynamic analysis of a 3DOF parallel robot Ra, N.R., Neagoe, M. 2009 3rd IEEE International Conference on Digital Ecosystems and Technologies, DEST '09 5276749, pp. 534-539 DOI: 10.1109/DEST.2009.5276749 https://ieeexplore.ieee.org/document/5276749 Link SCOPUS	1,755	1	2,755

	A critical review of modelling methods for flexible and rigid link manipulators Lee, T.S., Alandoli, E.A. 2020 Journal of the Brazilian Society of Mechanical Sciences and Engineering 42(10),508 Link SCOPUS	1,755	1	2,755
40	Renewable Energy Sources and Systems Visa, I., Duta, A., Moldovan, M., Burduhos, B., Neagoe, M. 2020 Green Energy and Technology pp. 59–158 https://doi.org/10.1007/978-3-030-34829-8_2 https://link.springer.com/chapter/10.1007/978-3-030-34829-8_2 Link WOS Link SCOPUS	14,148	2	16,148
	Energy multiphase model for biocoal conversion systems by means of a nodal network Paredes-Sánchez, B.M., Paredes-Sánchez, J.P., García-Nieto, P.J. 2020 Energies 13(11),2728 Link WOS	2,702	1	3,702
	Comparing View Factor modeling frameworks for the estimation of incident solar energy Arias-Rosales, A., LeDuc, P.R. 2020 Applied Energy 277,115510 Link WOS	11,446	1	12,446
41	Dynamic modeling and VR simulation of 3DOF medical parallel robots Ra , N.R., Neagoe, M., Diaconescu, D., Stan, S.D., Bălan, R. Technological Developments in Education and Automation, 2010, pp. 297–302 https://doi.org/10.1007/978-90-481-3656-8_55 https://link.springer.com/chapter/10.1007/978-90-481-3656-8_55 Link SCOPUS	0	1	1
	Performance analysis of 3 DOF Delta parallel robot Stan, S.-D., Manic, M., Szep, C., Balan, R. 2011 4th International Conference on Human System Interaction, HSI 2011 5937369, pp. 215–220 Link SCOPUS	0	1	1
42	A Comparative Performance Analysis of Four Wind Turbines with Counter-Rotating Electric Generators Neagoe M., Saulescu R., Jaliu C., Munteanu O., Cretescu N. 2022, Applied Sciences 12(9), 4233, pp. 1–21 https://doi.org/10.3390/app12094233 https://www.mdpi.com/2076-3417/12/9/4233 Link WOS Link SCOPUS	6,052	2	8,052
	Advancement of Tidal Current Generation Technology in Recent Years: A Review Qin, Z.; Tang, X.; Wu, Y.-T.; Lyu, S.-K. Energies 2022, 15, 8042 https://doi.org/10.3390/en15218042 Link WOS	3,252	1	4,252
	Recent Progress in Design and Performance Analysis of Vertical-Axis Wind Turbines-A Comprehensive Review Didane, DH; Behery, MR; (...); Manshoor, B 2024 PROCESSES 12 (6) Link WOS	2,8	1	3,8

43	A Comparative Performance Analysis of Counter-Rotating Dual-Rotor Wind Turbines with Speed-Adding Increasers. Saulescu, R.; Neagoe, M.; Jaliu, C.; Munteanu, O. Energies 2021, 14, 2594. https://doi.org/10.3390/en14092594 https://www.mdpi.com/1996-1073/14/9/2594 Link WOS Link SCOPUS	17,135	5	22,135
	Counter-rotating electric generator for wind power plants with liquid metal energy transfer A V Egorov, Yu F Kaizer, A V Lysyannikov, A V Kuznetsov, V G Shram, A I Pavlov, M Yu Smirnov and P A Kuznetsova Journal of Physics: Conference Series, Volume 2094,2021, Instrumentation Technology and Environmental Engineering, Online ISSN: 1742-6596, Print ISSN: 1742-6588 DOI 10.1088/1742-6596/2094/5/052018 Link SCOPUS	0	1	1
	Study on aerodynamic performance of mine air duct horizontal axis wind turbine based on breeze power generation Gui, X., Xue, H., Su, S., Hu, Z., Xu, Y. 2022 Energy Science and Engineering 10(4), ISSN: 2050-0505, pp. 1132-1152 Link WOS	4,035	1	5,035
	Radially-azimuthally discretized blade-element momentum theory for skewed coaxial turbines Williams, VO; Agrawal, S; (...); Bryant, M 2025 OCEAN ENGINEERING 316 Link WOS	4,6	1	5,6
	A new PI(1+PI) controller to mitigate power ripples of a variable-speed dual rotor wind power system using direct power control Benbouhenni, H; Zellouma, D; (...); Colak, I 2023 ENERGY REPORTS 10 , pp.3580-3598 Link WOS	4,7	1	5,7
	Synergetic-PI controller based on genetic algorithm for DPC-PWM strategy of a multi-rotor wind power system Benbouhenni, H; Gasmi, H; (...); Thounthong, P 2023 SCIENTIFIC REPORTS 13 (1) Link WOS	3,8	1	4,8
44	Photovoltaics on Landmark Buildings with Distinctive Geometries. Devetaković, M.; Djordjević, D.; Radojević, M.; Krstić-Furundžić, A.; Burduhos, B.-G.; Martinopoulos, G.; Neagoe, M.; Lobaccaro, G. Appl. Sci. 2020, 10, 6696. https://doi.org/10.3390/app10196696 https://www.mdpi.com/2076-3417/10/19/6696 Link WOS Link SCOPUS	69,965	16	85,965
	Classification of daily irradiance profiles and the behaviour of photovoltaic plant elements: The effects of cloud enhancement Santiago, I., Esquivel-Martín, J.L., Trillo-Montero, D., Real-Calvo, R.J., Pallarés-López, V. 2021 Applied Sciences (Switzerland) 11(11),5230 Link WOS	2,938	1	3,938

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A holistic approach for assessing architectural integration quality of solar photovoltaic rooftops and shading devices Custódio, I., Quevedo, T., Melo, A.P., Rütther, R. 2022 Solar Energy 237, pp. 432-446 Link WOS	7,188	1	8,188
Energy consumption and indoor environment evaluation of large irregular commercial green building in Dalian, China Su, Y; Miao, ZY; (...); Wang, LY, Energy and buildings 2022, 276 Link WOS	7,201	1	8,201
Photovoltaic Panels and Solar Collectors in Cityscape of Bialystok (Poland) and Cordoba (Spain) Gawryluk, D., Krawczyk, D.A., Rodero, A. 2022 IOP Conference Series: Earth and Environmental Science 1006(1),012011 Link WOS	0	1	1
Implementation and validation of virtual clones of coloured building-integrated photovoltaic facades Manni, M; Melkert, T; (...); Jelle, BP Jan 15 2025 APPLIED ENERGY 378 Link WOS	10,1	1	11,1
Optimization design of a new polyhedral photovoltaic curtain wall for different climates in China Liu, LX (Liu, Langxing) [1] ; Zhang, XY (Zhang, Xinyu) [1] ; Cheng, Q (Cheng, Qing) [1] SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS 72 Link WOS	7,1	1	8,1
Decision-making method to prioritize and implement solar strategies on neighborhood level Grewal, KS; Hachem-Vermette, C and Yadav, S 2024 ENERGY REPORT 12 , pp.2062-2076 Link WOS	4,7	1	5,7
Harnessing Stadium Roofs for Community Electrical Power: A Case Study of Rome's Olympic Stadium Title Barbaro, L; Battista, G; (...); de Lieto Vollaro, R 2024 APPLIED SCIENCES 14 (16) Link WOS	2,5	1	3,5
Techno-aesthetics in architectural discourses: A state of the art review Vasseghipanah, B and Haghir, S Jun 2024 FRONTIERS OF ARCHITECTURAL RESEARCH 13 (3) , pp.505-542 Link WOS	3,1	1	4,1
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	Ten questions concerning planning and design strategies for solar neighborhoods Manni, M; Formolli, M; (...); Lobaccaro, G 2023 BUILDING AND ENVIRONMENT 246 Link WOS	7,1	1	8,1
	Review of Façade Photovoltaic Solutions for Less Energy-Hungry Buildings Mangherini, G (Mangherini, Giulio) [1] ; Diolaiti, V (Diolaiti, Valentina) [1] ; Bernardoni, P (Bernardoni, Paolo) [2] ; Andreoli, A (Andreoli, Alfredo) [1] ; Vincenzi, D (Vincenzi, Donato) [1] , [3] 2023 ENERGIES 16(19) Link WOS	3	1	4
	Application of Building Integrated Photovoltaic (BIPV) in Net-Zero Energy Buildings (NZEBS) Kong, J., Dong, Y., Poshnath, A., Rismanchi, B., Yap, P.-S. 2023 Energies, 16(17), 6401 Link WOS	3	1	4
	Modelling and validation of hygrothermal conditions in the air gap behind wood cladding and BIPV in the building envelope Brozovsky, J., Nocente, A., R��ther, P. 2023 Building and Environment, 228, 109917 Link WOS	7,1	1	8,1
45	Cam Profiles Generation as Follower Envelopes with MATLAB Programs Simionescu P.A., Neagoe M. (2020) Mechanisms and Machine Science, 83, pp. 20 – 30 DOI: 10.1007/978-3-030-43929-3_3 https://link.springer.com/chapter/10.1007/978-3-030-43929-3_3 Link SCOPUS	0,8	2	2,8
	Enhancing Programming Skills to Engineering Students Using MeKin2D Modular Kinematics Subroutines Simionescu, P.A., Mendoza Diaz, N.V. 2021 ASEE Annual Conference and Exposition, Conference Proceedings Link SCOPUS	0	1	1
	Closed-Loop Vector Formulation in Euler's Complex Numbers for Multi-Loop Planar Mechanisms With N-bars: A Novel Modeling Approach and Algorithm Rahul, V.M., Bhaktha, S.B., Gangadharan, K.V. 2023 Defence Science Journal, 73(6), pp. 642–655 Link SCOPUS	0,8	1	1,8
46	The Built Environment Visa I., Duta A., Moldovan M., Burduhos B., Neagoe M. (2020) Green Energy and Technology, Springer, pp. 1 – 57 DOI: 10.1007/978-3-030-34829-8_1 https://link.springer.com/chapter/10.1007/978-3-030-34829-8_1 Link WOS Link SCOPUS	6,1	2	8,1
	Efficiency Assessment of Five Types of Photovoltaic Modules Installed on a Fixed and on a Dual-Axis Solar-Tracked Platform Moldovan, M; Burduhos, BG; Visa, I 2023 ENERGIES 16(3) Link SCOPUS	3	1	4
	Solar photovoltaic system under partial shading and perspectives on maximum utilization of the shaded land Feng, X., Ma, T. 2023 International Journal of Green Energy, 20(4), pp. 378–389 Link SCOPUS	3,1	1	4,1

47	Sustainable communities Visa I., Duta A., Moldovan M., Burduhos B., Neagoe M. (2020) Green Energy and Technology, Springer, pp. 341 - 384 DOI: 10.1007/978-3-030-34829-8_6 https://link.springer.com/chapter/10.1007/978-3-030-34829-8_6 Link WOS Link SCOPUS	26,312	4	30,312
	Formation and continuation of thermal energy community systems: An explorative agent-based model for the Netherlands Fouladvand, J., Mouter, N., Ghorbani, A., Herder, P. 2020 Energies 13(11),2829 Link SCOPUS	3,252	1	4,252
	Simulating thermal energy community formation: Institutional enablers outplaying technological choice Fouladvand, J; Rojas, MA; (...); Ghorbani, A 2022 Applied energy 306 Link WOS	11,446	1	12,446
	Analysing community-based initiatives for heating and cooling: A systematic and critical review Fouladvand, J., Ghorbani, A., Mouter, N., Herder, P. 2022 Energy Research and Social Science 88,102507 Link WOS	8,514	1	9,514
	Systematic Review of Socially Sustainable and Community Regeneration: Research Traits, Focal Points, and Future Trajectories Hu, JW; Chen, JL; (...); Wang, HQ 2024 BUILDINGS 14 (4) Link WOS	3,1	1	4,1
48	Increasing the Solar Share for Electrical and Thermal Energy Production in the Built Environment Visa I., Duta A., Moldovan M., Burduhos B., Neagoe M. (2020) Green Energy and Technology, Springer, pp. 327 - 339 DOI: 10.1007/978-3-030-34829-8_5 Link SCOPUS	3,252	2	5,252
	Multi-objective optimization of solar thermal systems applied to portuguese dwellings Ferreira, A.C., Silva, A., Teixeira, J.C., Teixeira, S. 2020 Energies 13(24),6739 Link SCOPUS	3,252	1	4,252
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