

CENTRUL DE CERCETĂRI ÎN SISTEME ELECTRONICE ȘI CONTROL INTELIGENT (SECI)

Raport al activității de cercetare în perioada 2020-2023

4.1 Lucrări științifice publicate în reviste de specialitate cotate ISI.

Nr. Crt.	Anul Publicării	Autorul (I)	Nr. Aut.	Titlul Lucrării	Numele Revistei	Issn	Încadrarea Revistei (Ex: Q1, Q2, Arts & Humanities)
1.	2020	Telcian A, Cristea D, Sima I.	1	Formal Concept Analysis For Amino Acids Classification And Visualization	Acta Universitatis Sapientiae, Informatica	2066-7760	
2.	2020	Camelia Barbatu, Daniel Breaz	1	Some Univalence Conditions Of A Certain General Integral Operator	European Journal Of Pure And Applied Mathematics, Vol. 13, No. 5, 2020	1285-1299	
3.	2020	Camelia Barbatu, Daniel Breaz	1	Univalence Criteria For A General Integral Operator	Filomat, Volume: 34, Issue:7, 2020	2225-2234	
4.	2020	V. Dragan, I. G. Ivanov, I.-L. Popa	1	On The Closed Loop Nash Equilibrium Strategy For A Class Of Sampled Data Stochastic Linear Quadratic Differential Games	Chaos, Solitons& Fractals, 2020,	0960-0779	Zona Rosie
5.	2020	I.-L. Popa	1	Lyapunov Functions For Random Semi-Dynamical Systems In Terms Of Tempered Exponential Splitting	Mathematical Methods In The Applied Sciences, Doi: 10.1002/Mma.6769, 2020	0170-4214	Zona Galbena
6.	2020	A Zada, J Alzabut, H Waheed, I.-L. Popa	1	Ulam–Hyers Stability Of Impulsive Integrodifferential Equations With Riemann–Liouville Boundary Conditions	Advances In Difference Equations 2020 (1), 1-50 , Issn: 1687-1847	1687-1847	Zona Rosie
7.	2020	Barbatu, Camelia; Breaz, Daniel	1	New Univalence Criteria For An Integral Operator With Mocanu'S And Serb'S Lemma	Carpathian Journal Of Mathematics	Issn: 1584-2851; Eissn: 1843-4401	Zona Rosie
8.	2020	V Dr?Gan, Ef Costa, Il Popa, S Aberkane	1	Exact Detectability: Application To Generalized Lyapunov And Riccati Equations	Systems & Control Letters 157, 105032	0167-6911	Zona Rosie
9.	2020	Hada Teodor, Barbuta-Misu Nicoleta, Iuga Iulia, Wainberg Dorin	1	Macroeconomic Determinants Of Nonperforming Loans Of Romanian Banks	Sustainability	2071-1050	Zona Alba
10.	2020	Onita Daniela, Birlutiu Adriana, Dinu P. Liviu	2	Towards Mapping Images To Text Using Deep-Learning Architectures	Mathematics 2020, Recent Advances In Deep Learning	2227-7390	
11.	2021	Barbatu, Camelia, Breaz, Daniel	1	Univalence Criteria For Some General Integral Operators	Analele Stiintifice Ale Universitatii Ovidius Constanta-Seria Matematica, Volume 29, Issue 1, Page 37-52	1224-1784	
12.	2021	Guney, Hatun Ozlem, Acu, Mugur, Breaz, Daniel, Owa, Shigeyoshi	1	Applications Of Fractional Derivatives For Alexander Integral Operator	Afrika Matematika, Volume, 32, Issue 3-4, Page 673-683	Issn: 1012-9405, Eissn: 2190-7668	
13.	2021	Barbatu, Camelia, Breaz, Daniel	2	Classes Of An Univalent Integral Operator	Studia Universitatis Babes-Bolyai Mathematica, Volume 66, Issue 2, Page 339-351	0252-1938	
14.	2021	Barbatu, Camelia; Breaz, Daniel	1	Univalence Criteria For A General Integral Operator	Carpathian Journal Of Mathematics Volume: 37 Issue: 1 Pages: 23-34 Published: 2021	1584-2851	Zona Rosie
15.	2021	Mir, A; Breaz, D	1	Bernstein And Turan-Type Inequalities For A Polynomial With Constraints On Its Zeros	Revista De La Real Academia De Ciencias Exactas Fisicas Y Naturales Serie A-Matematicas, Volume 115, Issue 3, Article Number 124, Doi10.1007/S13398-021-01061-Z, Published Jul 2021	Issn1578-7303 Eissn1579-1505	
16.	2022	Doru Popescu Anastasiu, Nicolae Bold, Ovidiu Domsa	1	Developing A Model Of Generation Of Assessment Tests Using Machine Learning	Journal Of Intelligent And Fuzzy Systems.	1064-1246 / 1875-8967	

17.	2022	Parva, Om; Breaz, Dv	1	Univalence Properties Of An Integral Operator	Afrika Matematika, Volume 33, Issue 2, Article Number 37	Issn 1012-9405, Eissn 2190-7668	
18.	2022	Breaz, D; Catas, A; Cotirla, Li	1	On The Upper Bound Of The Third Hankel Determinant For Certain Class Of Analytic Functions Related With Exponential Function	Analele Stiintifice Ale Universitatii Ovidius Constanta-Seria Matematica, Volume 30, Issue 1, Page 75-88	Issn 1224-1784, Eissn 1844-0835	
19.	2022	Gavrila Paven Ionela, Wainberg Dorin	1	Influence Of Projects Financed By The Regional Operational Program On The Economic Performance Of Companies	Economic Computation And Economic Cybernetics Studies And Research, Issue 2/2022; Vol. 56	1842-3264	
20.	2022	Vasile Dragan, Eduardo Fontoura Costa, Ioan-Lucian Popa, Samir Aberkane	1	Exact Detectability Of Discrete-Time And Continuous-Time Linear Stochastic Systems. A Unified Approach	Ieee Transactions In Automatic Control	0018-9286	Zona Rosie
21.	2022	A Zada, B Pervaiz, M Subramanian, Il Popa	1	Finite Time Stability For Nonsingular Impulsive First Order Delay Differential Systems	Applied Mathematics And Computation	0096-3003	Zona Rosie
22.	2022	Ekram E. Ali, Rabha M. El-Ashwah, Abeer M. Albalahi, Nicoleta Breaz	1	Admissible Classes Of Multivalent Meromorphic Functions Defined By A Linear Operator	Mathematics 2022, 10(21), 4136, In Special Issue Advances On Complex Analysis	2227-7390	Zona Rosie
23.	2022	Breaz, D; Karthikeyan, Kr; Umadevi, E; Senguttuvan A	1	Some Properties Of Bazilevic Functions Involving Srivastava-Tomovski Operator	Axioms, Volume 11, Issue 12, Article Number 687	2075-1680	Zona Galbena
24.	2022	Saha, A; Azami, S; Breaz, D; Rapeanu, E; Hui, Sk,	1	Evolution For First Eigenvalue Of L-T,L-F On An Evolving Riemannian Manifold	Mathematics, Volume 10, Issue 23, Article Number 4614	Eissn 2227-7390	Zona Rosie
25.	2022	Breaz, D; Karthikeyan, Kr; Murugusundaramoorthy, G	1	Bazilevic Functions Of Complex Order With Respect To Symmetric Points	Fractal And Fractional, Volume 6, Issue 6, Article Number 316	Eissn 2504-3110	Zona Rosie
26.	2022	Breaz, D; Karthikeyan, Kr; Umadevi, E	1	Subclasses Of Multivalent Meromorphic Functions With A Pole Of Order P At The Origin	Mathematics, Volume 10, Issue 4, Article Number 600	Eissn 2227-7390	Zona Rosie
27.	2022	Breaz, D; Cotirla, Li	1	The Study Of The New Classes Of M-Fold Symmetric Bi-Univalent Functions	Mathematics, Volume 10, Issue 1, Article Number 75	Eissn 2227-7390	Zona Rosie
28.	2022	Breaz, D; Karthikeyan, Kr; Senguttuvan, A	1	Multivalent Prestarlike Functions With Respect To Symmetric Points	Symmetry-Basel, Volume 14, Issue 1, Article Number 20	Eissn 2073-8994	Zona Galbena
29.	2022	Breaz, D; Cotirla, Li; Umadevi, E; Karthikeyan, Kr	1	Properties Of Meromorphic Spiral-Like Functions Associated With Symmetric Functions	Journal Of Function Spaces, Volume 2022, Article Number 3444854	Issn 2314-8896, Eissn 2314-8888	Zona Galbena
30.	2022	Breaz, D; Murugusundaramoorthy, G; Cotirla, Li	1	Geometric Properties For A New Class Of Analytic Functions Defined By A Certain Operator	Symmetry-Basel, Volume 14, Issue 12, Article Number 2624,	Eissn 2073-8994	Zona Galbena
31.	2022	Maria Viorela Muntean	1	Multi-Agent System For Intelligent Urban Traffic Management Using Wireless Sensor Networks Data	Sensors Volume 22, Issue 1, Article Number 208	Da	
32.	2023	Onita Daniela	1	Active Learning Based On Transfer Learning Techniques For Text Classification	Ieee Access	2169-3536	
33.	2023	Nicoleta Breaz	1	Properties Of Univalence For A New General Integral Operator Defined As A Joint Extension Of Two Known Integral Operators	Journal Of Function Spaces, Vol. 2023, Article Id 8183191, 5 Pages, 2023	Issn 2314-8896	
34.	2023	Iuga Iulia, Wainberg Dorin	1	Factors That Influence The Implementation Of M-Commerce By Romanian Smes During The Covid-19 Pandemic	Journal Of The Knowledge Economy	1868-7873	
35.	2023	Wafaa Y. Kota, Rabha M. El-Ashwah, Nicoleta Breaz	1	Application Of The Quasi-Hadamard Product To Subclasses Of Analytic Functions Involving The Q-Difference Operator	Mathematics. 2023; 11(10):2291	2227-7390	Zona Rosie
36.	2023	Alreshidi Nasser Aedh, Khan, Muhammad Bilal, Breaz, Daniel, Cotirla, Luminita-Ioana	1	New Versions Of Fuzzy-Valued Integral Inclusion Over P-Convex Fuzzy Number-Valued Mappings And Related Fuzzy Aumman'S Integral Inequalities	Symmetry-Basel, Volume 15, Issue 12	Eissn 2073-8994	Zona Galbena
37.	2023	Gul, Baseer; Arif, Muhammad; Alhefthi, Reem K.; Breaz, Daniel; Cotirla, Luminita-Ioana; Rapeanu, Elconora	1	On The Study Of Starlike Functions Associated With The Generalized Sine Hyperbolic Function	Mathematics, Volume 11, Issue 23	Eissn 2227-7390	Zona Rosie

38.	2023	Murugusundaramoorthy, Gangadharan; Vijaya, Kaliappan; Breaz, Daniel; Cotirla, Luminita-Ioana	1	Subclasses Of Noshiro-Type Starlike Harmonic Functions Involving Q-Srivastava-Attiya Operator	Mathematics, Volume 11, Issue 23	Eissn 2227-7390	Zona Rosie
39.	2023	Arif, Muhammad; Abbas, Muhammad; Alhefthi, Reem K.; Breaz, Daniel; Cotirla, Luminita-Ioana; Rapeanu, Eleonora	1	Some Analysis Of The Coefficient-Related Problems For Functions Of Bounded Turning Associated With A Symmetric Image Domain	Symmetry-Basel, Volume 15, Issue 11	Eissn 2073-8994	Zona Galbena
40.	2023	Breaz, Daniel; Sharma, Prathviraj; Sivasubramanian, Srikandan; El-Deeb, Sheza M.	1	On A New Class Of Bi-Close-To-Convex Functions With Bounded Boundary Rotation	Mathematics, Volume 11, Issue 20	Eissn 2227-7390	Zona Rosie
41.	2023	Breaz, Daniel; Durmus, Abdullah; Yalcin, Sibel; Cotirla, Luminita-Ioana; Bayram, Hasan	1	Certain Properties Of Harmonic Functions Defined By A Second-Order Differential Inequality	Mathematics, Volume 11, Issue 9	Eissn 2227-7390	Zona Rosie
42.	2023	Radhakrishnan, Ganesh; Breaz, Daniel; Al Hattali, Al Haitham Mohammed Sulaiman; Al Yahyai, Al Muntaser Nasser; Al Riyami, Al Muntaser Nasser Omar; Al Hadhrami, Al Muatasim Dawood; Karthikeyan, Kadhavoor R.	1	Influence Of Aspect Ratio On The Flexural And Buckling Behavior Of An Aluminium Sandwich Composite: A Numerical And Experimental Approach	Materials, Volume 16, Issue 19	Eissn 1996-1944	Zona Rosie
43.	2023	Radhakrishnan, Ganesh; Breaz, Daniel; Al Riyami, Khalid Abdul Aziz; Al Nadabi, Wahab Sulaiman; Al Nadabi, Talal Yahya; Karthikeyan, Kadhavoor	1	Performance Investigation On A Double-Slope Passive Solar Desalination System Targeting Towards Sustainable Development Of Oman	Energies, Volume 16, Issue 16	Eissn 1996-1073	Zona Alba
44.	2023	Breaz, Daniel; El-Deeb, Sheza M. M.; Aydogan, Seher Melike; Sakar, Fethiye Muge	1	The Yamaguchi-Noshiro Type Of Bi-Univalent Functions Connected With The Linear Q-Convolution Operator	Mathematics, Volume 11, Issue 15	Eissn 2227-7390	Zona Rosie
45.	2023	Breaz, Daniel; Wanas, Abbas Kareem; Sakar, Fethiye Muge; Aydogan, Seher Melike	1	On A Fekete-Szego Problem Associated With Generalized Telephone Numbers	Mathematics, Volume 11, Issue 15	Eissn 2227-7390	Zona Rosie
46.	2023	Breaz, Daniel; Murugusundaramoorthy, Gangadharan; Vijaya, Kaliappan; Cotirla, Luminita-Ioana	1	Certain Class Of Bi-Univalent Functions Defined By Salagean Q-Difference Operator Related With Involution Numbers	Symmetry-Basel, Volume 15, Issue 7	Eissn 2073-8994	Zona Galbena
47.	2023	Breaz, Daniel; Alahmari, Abdullah A.; Cotirla, Luminita-Ioana; Ali Shah, Shujaat	1	On Generalizations Of The Close-To-Convex Functions Associated With Q-Srivastava-Attiya Operator	Mathematics, Volume 11, Issue 9	Eissn 2227-7390	Zona Rosie
48.	2023	Breaz, Daniel; Yildiz, Cetin; Cotirla, Luminita-Ioana; Rahman, Gauhar; Yergoz, Busra	1	New Hadamard Type Inequalities For Modified H-Convex Functions	Fractal And Fractional, Volume 7, Issue 3	Eissn 2504-3110	Zona Rosie
49.	2023	Breaz, Daniel; Orhan, Halit; Cotirla, Luminita-Ioana; Arikian, Hava	1	A New Subclass Of Bi-Univalent Functions Defined By A Certain Integral Operator	Axioms, Volume 12, Issue 2	Eissn 2075-1680	Zona Galbena
50.	2023	Guney, Hatun Ozlem; Breaz, Daniel; Owa, Shigeyoshi	1	Some Properties For Subordinations Of Analytic Functions	Axioms, Volume 12, Issue 2	Eissn 2075-1680	Zona Galbena
51.	2023	Radhakrishnan, Ganesh; Breaz, Daniel; Al Khusaibi, Sami Sulaiman; Al Subaihi, Amjad Juma; Al Ismaili, Al Azhar Zahir; Almaani, Alsalt Malik; Karthikeyan, Kadhavoor R.	1	Experimental And Numerical Study On The Influence Of Stress Concentration On The Flexural Stability Of An Aluminium Hollow Tube	Materials, Volume 16, Issue 4	Eissn 1996-1944	Zona Rosie
52.	2023	Breaz, Daniel; Cotirla, Luminita-Ioana	1	The Study Of Coefficient Estimates And Fekete-Szego Inequalities For The New Classes Of M-Fold Symmetric Bi-Univalent Functions Defined Using An Operator	Journal Of Inequalities And Applications, Volume 2023, Issue 1	Issn 1029-242x	Zona Galbena
53.	2023	Azzam, A. A.; Breaz, Daniel; Shah, Shujaat Ali; Cotirla, Luminita-Ioana	1	Study Of The Fuzzy Q-Spiral-Like Functions Associated With The Generalized Linear Operator	Aims Mathematics, Volume 8, Issue 11	Eissn 2473-6988	Zona Rosie
54.	2023	Khan, Haroon Niaz Ali; Zada, Akbar; Popa, Ioan-Lucian; Ben Moussa, Sana	1	The Impulsive Coupled Langevin η -Caputo Fractional Problem With Slit-Strip-Generalized-Type Boundary Conditions	Fractal And Fractional, Volume 7, Issue 12	2504-3110	Zona Rosie

55.	2023	Pervaiz, Bakhtawar; Zada, Akbar; Popa, Ioan-Lucian; Ben Moussa, Sana; Abd El-Gawad, Hala Hh	1	Analysis Of Fractional Integro Causal Evolution Impulsive Systems On Time Scales	Mathematical Methods In The Applied Sciences, Volume 46, Issue 14, Page1 5226-15243	Issn 0170-4214 Eissn 1099-1476	
56.	2023	K Ali Shah, A Zada, Il Popa, S Ben Moussa	1	Stability And Controllability Of Nonautonomous Neutral System With Two Delays	Mathematical Methods In The Applied Sciences 46 (12), 13375-13394	Issn 0170-4214 Eissn 1099-1476	
57.	2023	V Dragan, Il Popa, S Aberkane	1	On The Stochastic Linear Quadratic Optimal Control Problem By Piecewise Constant Controls: The Infinite Horizon Time Case	Mathematical Methods In The Applied Sciences,	Issn 0170-4214 Eissn 1099-1476	
58.	2023	O Bagdasar, M Chen, V Dragan, Ig Ivanov, Il Popa	1	On Horadam Sequences With Dense Orbits And Pseudo-Random Number Generators	Mathematics 11 (5), 1244	2227-7390	Zona Rosie
59.	2023	V Dragan, Ig Ivanov, Il Popa	1	A Game-Theoretic Model For A Stochastic Linear Quadratic Tracking Problem	Axioms 12 (1), 76	2075-1680	Zona Galbena
60.	2023	J Zhang, Su Haq, A Zada, Il Popa	1	Stieltjes Integral Boundary Value Problem Involving A Nonlinear Multi-Term Caputo-Type Sequential Fractional Integro-Differential Equation	Aims Mathematics 8 (12), 28413-28434	2473-6988	Zona Rosie
61.	2021	Pascu, R; Pristavu, G; Brezeanu, G ; Draghici, F; Godignon, P; Tulbure, A Et.AL.	1	60-700 K Ctat And Ptat Temperature Sensors With 4h-Sic Schottky Diodes	Sensors	1424-8220	Zona Rosie
62.	2021	Muresan, V (Muresan, Vlad); Unguresan, MI (Unguresan, Mihaela-Ligia); Abrudean, M(Abrudean, Mihail); Valean, H (Valean, Honoriu); Clitan, I (Clitan, Iulia); Motorga, R (Motorga, Roxana); Ceuca, E (Ceuca, Emilian); Fisca, M	1	Ai Versus Classic Methods In Modelling Isotopic Separation Processes: Efficiency Comparison	Mathematics Volume: 9 Issue: 23 Article Number: 3088	2227-7390	Zona Rosie
63.	2021	Risteiu Mircea, Dobra Remus, Avram Alexandru, Samoila Florin, Buica Georgeta, Rizzo Renato, Micu Dan Doru	3	Designing A Smart Gateway For Data Fusion Implementation In A Distributed Electronic System Used In Automotive Industry	Energies	1996-1073	Zona Alba
64.	2022	Tulbure Andrei, Tulbure Adrian, Dulf Eva	1	A Review On Modern Defect Detection Models Using Dcnns – Deep Convolutional Neural Networks	Journal Of Advanced Research Available Online 2022	2090-1232	Zona Rosie
65.	2022	Marius Fi?C?, Mihail Abrudean, Vlad Mure?An, Iulia Clitan, Mihaela-Ligia Ungure?An, Roxana Motorga Emilian Ceuca	1	Modeling And Simulation Of High Voltage Power Lines Under Transient And Persistent Faults	Mathematics 2023, 11(1), 21	2227-7390	Zona Rosie
66.	2022	Ciorteia Elisabeta Mihaela	1	The Impact Of Cloud Systems On Manufacturing	Nato Advanced Research Workshop On Security-Related Advanced Technologies In Critical Infrastructure Protection, Security-Related Advanced Technologies In Critical Infrastructure Protection Pp 353–359 Doi: 10.1007/978-94-024-2174-3_30, Nato Science For Peace And Security Series C: Environmental Security Book Series (Napscc)	Isbn 978-94-024-2173-6 Issn 1874-6519	-
67.	2023	Liana Luminita Boca Elisabeta Mihaela Ciorteia, Carmen Boghean 3, Andreea Begov-Ungur, Florin Boghean	1	An Iot System Proposed For Higher Education: Approaches And Challenges In Economics, Computational Linguistics,	Sensors	Issn: 1424-8220	Zona Galbena
68.	2023	Petrascu, Calin; Tulbure, Adrian And Topa, Vasile	1	Implementation Of An Accurate Measurement Method For The Spatial Distribution Of The Electromagnetic Field In A Wpt System	Applied Sciences 2023	2076-3417	Zona Galbena

69.	2023	Razvan Pascu, Gheorghe Pristavu *, Dan-Theodor Oncata, Gheorghe Brezeanu *, Cosmin Romanitan, Nikolay Djourellov, Andrei Enache, Florin Draghici, Andrei Mario Ivan, Emilian Ceuca	1	Thorough Wide Temperature Range Analysis Of Pt/Sic And Cr/Sic Schottky Contacts Non-Uniformity	Materials (Issn 1996-1944). Silicon Carbide: Material Growth, Device Processing And Applications.	1996-1944	Zona Rosie
70.	2022	Simona Varvara*, G. Damian	1	"Assessment of Cyprinus carpio Scales as a Low-Cost and Effective Biosorbent for the Removal of Heavy Metals from the Acidic Mine Drainage Generated at Rosia Montana Gold Mine			
71.	(Romania)"	WATER	2073-4441	Zona galbena			
72.	2022	Simona Varvara*, C. Berghian-Grosan*, G. Damian, M. Popa, F. Popa	1	Combined Electrochemical, Raman Analysis and Machine Learning Assessments of the Inhibitive Properties of an 1,3,4-Oxadiazole-2-Thiol Derivative against Carbon Steel Corrosion in HCl Solution	Materials	1996-1944	Zona rosie
73.	2020	S Varvara, S A Dorneanu A Okos L M Muresan R Bostan M Popa, D Marconi, P Ilea,	2	Dissolution of Metals in Different Bromide Based Systems Electrochemical Measurements and Spectroscopic Investigations	Materials, 13, 3630	32824443	Zona galbena
74.	2020	Varvara S., Dorneanu S.A., Okos A., Bostan R., Popa M., Damian G., Ilea P.	2	Dissolution of nickel in bromide-based solutions used as lixiviants for waste printed circuit boards	Journal of Environmental Protection and Ecology, 21 (2). pp. 551-560	1311-5065	Zona alba
75.	2020	S. Varvara, R. Bostan, M. Popa, F. Popa	2	DOXEPIIN AS CORROSION INHIBITOR FOR COPPER IN 3.5 wt. % NaCl SOLUTION	STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, 65, 3, pp. 215-226	1224-7154	
76.	2021	Simona Varvara, Camelia Berghian-Grosan, Roxana Bostan, Raluca Lucacel Ciceo, Zohreh Salarvand, Milad Talebian e , Keyvan Raeissi, Javier Izquierdo, Ricardo M. Souto	2	Experimental characterization, machine learning analysis and computational modelling of the high effective inhibition of copper corrosion by 5-(4-pyridyl)-1,3,4-oxadiazole-2-thiol in saline environment	Electrochimica Acta 398 (2021) 139282	0013-4686	Zona rosie
77.	2022	Simona Varvara, Gianina Damian, Roxana Bostan, Maria Popa	2	Inhibition effect of Tatum Rosa drug on the corrosion of copper in 3.5 wt.% NaCl solution	International Journal of Electrochemical Science, 17 (2022)	ISSN 1452-3981	Zona alba
78.	2020	Simona Varvara, Giada Caniglia, Javier Izquierdo, Roxana Bostan, Luiza G?in?, Otilia Bobis, Ricardo M. Souto	2	Multiscale electrochemical analysis of the corrosion control of bronze in simulated acid rain by horsechestnut (Aesculus hippocastanum L.) extract as green inhibitor	Corrosion Science, 165, 2020	0010-938X	Zona rosie
79.	2023	Mehmet Serkan K?rg?z, Jahangir Mirza, Stanca Cuc, Doina Prodan, Codruta Sarosi, Ioana Perhaita, Rahela Carpa, Marioara Moldovan, Dorin Popa, Simona Varvara, Maria Popa	1	Physico-Antibacterial Feature and SEM Morphology of Bio-Hydraulic Lime Mortars Incorporating Nano-Graphene Oxide and Binary Combination of Nano-Graphene Oxide with Nano Silver, Fly Ash, Zinc, and Titanium Powders	BUILDINGS	2075-5309	Zona galbena
80.	2022	D. Popa, D. Prodan, Simona Varvara, M. Popa, S.Cuc, C. Sarosi, M. Moldovan, R. Ivan, R. Ene	1	Properties evolution of some hydraulic mortars incorporating graphene oxides,	BUILDINGS	2075-5309	Zona galbena
81.	2022	Mihaela Laura Vica, Mirel Glevitzky, Gabriela-Alina Dumitrel, Roxana Bostan, Horea Vladi Matei, Yordanka Kartalska, Maria Popa	1	Qualitative Characterization and Antifungal Activity of Romanian Honey and Propolis	Antibiotics, 2022, 11 (11): 1552	ISSN: 2079-6382	
82.	2021	Doina Prodan , Marioara Moldovan, Gabriel Furtos, Codrut,a Saros., Miut,a Filip , Ioana Perhait,a, Rahela Carpa, Maria Popa, Stanca Cuc, Simona Varvara, Dorin Popa	1	Synthesis and Characterization of Some Graphene Oxide Powders Used as Additives in Hydraulic Mortars	APPLIED SCIENCES-BASEL 11 (23) 11330	2076-3417	
83.	2020	A. LATO, I. RADULOV, A. BERBECEA, A. NEACSU, I. LATO, F. CRISTA, L. SMULEAC, M. CORCHES	1	Green Vegetables as Potential Source of Nitrates and Nitrites for the Human Organisms	Journal of Environmental Protection and Ecology ISSN 1311-5065 Year 2020 Book 5	1311-5065	
84.	2022	Lato, Karel Iaroslav; Lato, Alina; Nita, Lucian	1	PEDO-GENETICAL FACTORS IMPLICATED IN SOIL	SCIENTIFIC PAPERS-SERIES A-AGRONOMY	2285-5785	

		Dumitru; Duma-Copcea, Anisoara; Corches, Mihai Teopent		DEGRADATION (LOWER TIMIS RIVER BASIN AREA)			
85.					Scientific Papers. Series E. Land Reclamation, Earth Observation & Surveying, Environmental Engineering	2393-5138	
	2023	Corches, Mihai Teopent	1	LAND DEGRADATION AND CLIMATE CHANGE			
Total Articole	85						

5.1 Articole publicate în reviste de specialitate fără cotație ISI (se cuantifică revistele indexate BDI și fără indexare BDI)

Nr. Crt.	Anul Publicării	Autorul (I)	Nr. aut	Titlul Lucrării	Numele Revistei	Issn	Încadrarea Revistei Bdi
1.	2020	Risteiu Mircea, Aldea Mihaela, Samoila Florin	1	Designing A Simulated Method For Testing A Transmission Line. Study Case- Mismatched System	Annals Of The University Of Petrosani, Journal Of The Electrical Engineering Section	1454-8518	Ebsco
2.	2020	Camelia Barbatu, Daniel Breaz	1	New Criteria For Univalence Of A General Integral Operator	Acta Universitatis Apulensis No. 62/2020, Pp. 29-41	1582-5329	Mathematical Reviews, Zentralblatt Für Mathematik, Ebsco
3.	2020	Roberta Bucur, Daniel Breaz	1	Properties Of A New Subclass Of Analytic Functions With Negative Coefficients Defined By Using The Q-Derivative	Applied Mathematics And Nonlinear Sciences, 5(1) (2020) 303–308	2444-8656	Scopus, Mathematical Reviews (Mathscinet), Zentralblatt Math (Zbmth), Ebsco
4.	2020	Teodor Hada, Iulia Iuga, Dorin Wainberg	1	Some Aspects Regarding The Financing Of The Environment Fund In Romania	Ovidius University Annals, Economic Sciences Series	2393-3127	Copernicus
5.	2020	Dobra Remus, Aldea Mihaela, Samoila Florin	1	Synchronous Machine Dynamic Analysis Behavior Using Scada,	Annals Of The University Of Petrosani, Journal Of The Electrical Engineering Section	1454-8518	Ebsco
6.	2020	Camelia Barbatu, Daniel Breaz	1	The Univalence Criteria For A General Integral Operator	Analele Universitatii Oradea Fasc. Matematica, Tom Xxvii (2020), Issue No. 2, 101–108	1221-1265	Mathematical Reviews - Matscint, Zentralblatt Math, Ebsco
7.	2021	Cucu Ciprian	1	An Overview Of Using Video In Education	Annals Of The University Of Petrosani - Economics	1582-5949 (Print) / 2247-8620 (Online)	Scipio, Repec , D.O.A.J. , Ebsco , Cabell S, Indexcopernicus
8.	2021	Dobra Remus, Risteiu Mircea, Aldea Mihaela, Florin Samoila, Paula Camelia Stoica	1	Computational Method And Experimental Measurement For Determining Voltage Standing Wave Ratio	Annals Of The University Of Petrosani, Journal Of The Electrical Engineering Section	1454-8518	Ebsco
9.	2021	Mircea Risteiu, Dobra Remus, Pasculescu Dragos, Mihaela Aldea, Paula Camelia Stoica	1	Designing Virtual Learning Environment For Electric Power Distribution Networks	Annals Of The University Of Petrosani, Journal Of The Electrical Engineering Section	1454-8518	Ebsco
10	2021	Dobra Remus, Risteiu Mircea, Aldea Mihaela, Georgeta Buica, Paula Camelia Stoica	1	Practical Method For Determination The Waveguide Impedance Using Smith Chart	Annals Of The University Of Petrosani, Journal Of The Electrical Engineering Section	1454-8518	Ebsco
11	2022	Mircea Risteiu, Georgeta Buica, Mihaela Aldea, Florin Samoila, Ion Butnariuc	1	Designing Web-Enabled Remote Monitoring Tools For Electric Power Networks	Annals Of The University Of Petrosani, Journal Of The Electrical Engineering Section	1454-8518	Ebsco
12	2022	Dobra Remus, Aldea Mihaela, Georgeta Buica, Dragos Pasculescu	1	Extrapolation Computational Virtual System Based On Labview For Squirrel Cage Three-Phase Asynchronous Motor Testing	Annals Of The University Of Petrosani, Journal Of The Electrical Engineering Section	1454-8518	Ebsco

13	2022	Cucu Ciprian	1	Mapping The Romanian Facebook Misinformation Network.	Journal Of Media Research	1844-8887	Erihplus, Ebsco, Proquest, Ceeol
14	2022	H Ozlem Güney, Daniel Breaz, Shigeyoshi Owa	1	On A Conjecture For Subclasses Of Analytic And P-Valent Functions	International Journal Of Open Problems In Computer Science & Mathematics, Volume 15, Issue 2	Print Issn: 1998-6262 & Online Issn: 2079-0376	Ebsco, Doaj, Emis.De, Ams, Ulrichs
15	2023	Barbuta-Misu, N., Hada, T., Iuga, I., Wainberg, D.	1	Do Methane Gas Prices Interact With Stock Indices?	Annals Of "Dunarea De Jos" University Of Galati Fascicle I. Economics And Applied Informatics	2344-441x	Erih+
16	2023	V. Dragan, S. Aberkane, I.-L. Popa, T. Morozan	1	On The Stability And Mean Square Stabilization Of A Class Of Linear Stochastic Systems Controlled By Impulses	Ann. Acad. Rom. Sci. Ser. Math. Appl. Vol. 15, No. 1-2/2023	Issn Print 2066 – 5997 Issn Online 2066 – 6594	Scopus, Ebsco, Doaj, Zmath, Mathscinet
17	2023	Om Parva, Dv Breaz, S Owa	1	Properties Of The Coefficients Of An Integral Operator	General Mathematics 31 (1), 3-10	Eissn: 1584-3289	Ebsco, Ulrichs, Index Copernicus, Worldcat (Oclc)
18	2020	Georgeta Buic?, Anca Elena Antonov, Constantin Beiu, Dragos Pasculescu, Remus Dobra	1	Ensuring The Safety Of Workers In Underground Electrical Installations - Professional Risk Assessment	Matec Web Of Conferences/9th International Symposium On Occupational Health And Safety	10.1051/Mateconf/202030500029	Ebsco
19	2020	Ciortea Elisabeta Mihaela	1	From Real – Time Manufacturing To Iot Digital Technologies	Technium: Romanian Journal Of Applied Sciences And Technology (Issn: 2668-778x)	Issn: 2668-778x	
20	2021	Botnari Alexei, Kadar Manuella, Marian Jenel Patrascu	1	Mri Of Knee Pathology Investigated Through Deep Learning Techniques: A Review	Medica A Journal Of Clinical Medicine, Vol.16, Abstract Supplement, Oct 2021.	1841-9038	
21	2021	Ciortea Elisabeta Mihaela	1	Analysis Of Blockchain Integration With Iot	Journal Of Software Engineering And Simulation (Jses) Impact Factor: 6.18	Issn (O) : 2321 - 3795 Issn (P) : 2321 - 3809	
22	2021	Ciortea Elisabeta Mihaela	1	Aspects Regarding Maintenance Of The Manufacturing System In Industry 4.0	Annals Of Faculty Engineering Hunedoara – International Journal Of Engineering Tome Xix [2021] Fascicule 1 [February]	Issn: 1584–2665 (Printed Editions, In Two Fascicules) Issn: 1584–2673 (Cd–Rom Edition, In Two Fascicules) Issn: 2601–2332 (Online, All Four Fascicules) Issn–L: 1584–2665	
23	2022	Georgeta Buica, Anca Elena Antonov, Constantin Beiu, Pasculescu Drago?, Remus Dobra	1	Occupational Risk Management Of Equipment Intended For Charging Electric Vehicles	Matec Web Of Conferences/10th International Symposium On Occupational Health And Safety (Sesam 2021)	10.1051/Mateconf/202235400004	Ebsco
24	2022	73. Adrian Tulbure , Ghe. Marc	1	Reconfigurable Fpga Application For Real Time Control Of Industrial Robots,	Proceedings Of 11th International Conference On Advanced Topics In Optoelectronics, Microelectronics, And Nanotechnologies Atomn 2022	Doi: 10.1117/12.2572099	
25	2022	Alexandru Avram, Vladut Petruta	1	An Example Of Implementing Adas Systems On A Small-Scale Mobile Platform	Annals Of The University Of Petrosani, Electrical Engineering, 24	1454-8518	
26	2022	M.Kadar	1	Assessment Of Enterprise Interoperability Maturity Level Through Generative And Recognition Models	International Journal Of Economics And Statistics	?-Issn: 2309-0685	
27	2022	M.Kadar , M.Achim	1	Designing Personalised Blended Learning Courses For Engineering Students	International Journal Of Energy And Environment	Issn: 2309-0685	
28	2022	Ciortea Elisabeta Mihaela	1	Empirical Analysis Of Manufacturing Using 5g Architecture	International Journal Of Modern Manufacturing Technologies Issn 2067–3604, Vol. Xiv, No. 3 / 2022 https://doi.org/	Issn 2067–3604, Vol. Xiv, No. 3 / 2022	Scopus

					10.54684/Ijmmt.2022.14.3.4 4, https://www.Ijmmt.Ro/Vol 14no32022/07_Elisabeta_Mi haela_Ciortea.Pdf		
29	2023	Ciortea Elisabeta Mihaela	1	The Impact Of Sustainable Manufacturing On Industry 4.0	Iosr Journal Of Engineering (Iosrjen) Www.Iosrjen.Org Issn (E): 2250-3021, Issn (P): 2278-8719 Vol. 13, Issue 1, January 2023, Series -I Pp 01-05 https://www.Iosrjen.Org/Pa ges/Volume13-Issue1.Html	Issn (E): 2250- 3021, Issn (P): 2278-8719	
30	2023	Ciortea Elisabeta Mihaela	1	The Advantage Of Smart Manufacturing Systems Using Cloud And Rami 4.0	https://ieeexplore.ieee.Org/ Document/10178891	Inspec Accession Number: 23454778	Ieee Xplore
31	2023	Ciortea Elisabeta Mihaela	1	The Role Of Digitization On A Manufacturing Flow	International Journal Of Science Engineering And Management (Ijsem) Monthly Journal For Science Engineering And Management Vol 10, Issue 6, June 2023	Issn (Online) 2456 -1304	
32	2022	Roxana Bostan, Dorin Popa, Simona Varvara, Marian-Iosif Frîncu	2	Investigation Of Bee Pollen As An Eco-Friendly Corrosion Inhibitor For Bronze In A Simulated Acidic Rain Solution	PANGEEA, nr 22 /2022	ISSN 2076- 0760	Copernicus,CEE OL
33	2022	Dorin Popa, Doina Prodan, Marioara Moldovan, Stanca Cuc, Codruta Sarosi, Simona Varvara, Roxana Bostan, Toma Goronea	2	Some Aspects Regarding The Methods And Materials Used For Combating The Humidity In Heritage Buildings	PANGEEA, nr 22 /2022	ISSN 2076- 0760	Copernicus,CEE OL
34	2023	Bostan Roxana Nadina	1	REMOVAL OF PHOSPHATES FROM WASTEWATER USING CONSTRUCTION AND DEMOLITION WASTES	PANGEEA, nr 23/2023	ISSN 2076- 0760	
35	2020	MARIA DANIELA SASU, MIHAI TEOPENT CORCHE?	1	STUDY OF ROAD TRAFFIC NOISE POLLUTION IN AIUD CITY, ROMANIA	Pangeea	1841-1517	DOAJ
36	2021	MIHAI TEOPENT CORCHES	1	INDUSTRIAL NOISE POLLUTION AND ITS EFFECTS ON HUMAN HEALTH	Pangeea	1841-1517	DOAJ
37	2021	Marinela Dorina Ana, Mihai Teopent Corches	1	ASSESSMENT OF AIR EMISSIONS ASSOCIATED WITH ASPHALT PAVING	Pangeea	1841-1517	DOAJ
38	2022	MIHAI TEOPENT CORCHES	1	NOISE MAPPING, A USEFUL TOOL FOR URBAN PLANNING – CASE STUDY, ALBA IULIA, ROMANIA	Pangeea	1841-1517	DOAJ
Total Articole			38				

5.2 Cărți publicate la edituri naționale și internaționale (se cuantifică lucrările publicate la edituri naționale și internaționale cu recunoaștere CNCȘ¹ și fără recunoaștere)

Nr. crt.	Anul publicării	Autorul (i)	Nr.aut.	Titlul lucrării	Numele Editurii	ISBN	Categoria editurii (națională /internațională, cu recunoaștere CNCȘ/fără recunoaștere CNCȘ)
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¹ Edituri naționale https://www.cncs-nrc.ro/wp-content/uploads/2021/09/categorii.Edituri.Site_.CNCȘ_.2020.2021.pdf ;
editurile de prestigiu internațional recunoscute CNCȘ sunt doar pentru științe umaniste, conform <http://old.cncs-nrc.ro/wp-content/uploads/2012/01/Edituri-prestigiului-international-stiinte-umaniste.pdf>

1.	2020	Purcar Marius, Bojita Adrian, Avram Alexandru	1	Instrumnete CAD	UT PRESS	978-606-737-408-7	națională
2.	2021	Constantin Hutanu, Vlad Alexandru Lukacs and Liliana MitoseriuConstantin Hutanu, Vlad Alexandru Lukacs and Liliana Mitoseriu	1	Electroceramics: Modeling of Sintering, Microstructure Evolution and Functional Properties	Pomeroy, M. (ed) Encyclopedia of Materials: Technical Ceramics and Glasses, vol. 3, pp. 295–310. Oxford: Elsevier	9780128185421	internațională
3.	2022	M.Kadar A.Botnari	1	Challenges in Deep Learning Applied to the Knee Joint Magnetic Resonance Imaging: A Survey	Springer	978-981-19-2396-8	internațională
Total cărți	3						

5.3 Studii, capitole în volume colective publicate la edituri naționale și internaționale (se cuantifică lucrările publicate la edituri naționale și internaționale cu recunoaștere CNCȘ² și fără recunoaștere)

Nr. crt.	Anul publicării	Autorul (i)	Numărul de autori din Centrul de cercetare	Titlul studiului/capitolului, paginile.	Titlul Volumului colectiv	Numele Editurii	ISBN	Categoria editurii (națională/internațională, cu recunoaștere CNCȘ/fără recunoaștere CNCȘ)
1	2023	Ciprian Cucu	1	Disinformation in Romania	Blurring the Truth: Disinformation in Southeast Europe ed. Christopher Nehring	Konrad Adenauer Stiftung e.V.	978-3-98574-110-6	International
Total	1							

5.4 Lucrări științifice prezentate la conferințe internaționale cu comitet de program

Nr. crt.	Anul prezentații	Autorul (i) lucrării prezentate	Nr. aut.	Titlul lucrării	Numele Conferinței	Link către conferință (unde este posibil)
1.	2020	Manuella Kadar, Maria Muntean, Tudor Csabai	2	A Multi-Agent System with Self-Optimization for Automated Clustering (MASAC)	KES-AMSTA, Springer Nature Singapore Pte Ltd. 2020, In book: Agents and Multi-agent Systems: Technologies and Applications 2019	http://amsta-19.kesinternational.org/
2.	2020	Maria-Viorela Muntean	1	Identifying Critical Traffic Flow Time Slots using K-means and Decision Trees	Published in: 2020 IEEE 10th International Conference on Intelligent Systems (IS), Date of Conference: 28-30 Aug. 2020, Conference Location: Varna, Bulgaria	10.1109/IS48319.2020.9200141
3.	2020	Incze Arpad	1	Preliminary considerations regarding the cryptographic strength of the Pixel Sieve cryptographic primitive	IEEE Xplore	10.1109/ECAI46879.2019.9042146
4.	2020	Breaz Daniel	1	Some conditions of univalence for integral operators with applications in fluid mechanics	International Webinar on "Recent Trends in Geometric Function Theory and Applications- 2020 (RTGFTA-2020)" from 18th-21st September, 2020, India	
5.	2020	Breaz Daniel	1	Some univalent criteria for Integral operators	2-Day National Conference on Emerging Trends in Mathematics-Its Applications and Celebration of Mathematics Day(December 15-16, 2020), Jammu and Kashmir, India	
6.	2021	Maria Viorela Muntean	1	Data mining models for predicting the health situation in European countries	2021 13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), 2021, pp. 1-4	10.1109/ECAI52376.2021.9515142
7.	2021	Ovidiu Domsa, Ion Clapa, Ovidiu Teodorescu	1	Dynamic Data Nomenclatures in Business Applications	Proceedings of the 2nd International Conference on Economics and Social Sciences (2019), Collaborative Research for Excellence in Economics and Social Sciences	10.2478/9788366675322-036

² Edituri naționale https://www.cncs-nrc.ro/wp-content/uploads/2021/09/categorii.Edituri.Site_.CNCS_.2020.2021.pdf ; editurile de prestigiu internațional recunoscute CNCȘ sunt doar pentru științe umaniste, conform <http://old.cncs-nrc.ro/wp-content/uploads/2012/01/Edituri-prestigiu-international-stiinte-umaniste.pdf>

8.	2021	Ioan Sima and Daniela-Maria Cristea	1	Parallel Backtracking for the study of the HYDROPHOBIC-POLAR MODEL	Proceedings of the IADIS International Conference Applied Computing, 978-989-8704-34-4.	mateconf/202134305010
9.	2021	Adina Sărb, Cristina Burja Udrea, Daniela Nagy-Onita, Liliana Itul and Maria Popa	1	Prediction of defects using machine learning techniques in order to improve quality management system - A case study in a porcelain factory	10th INTERNATIONAL CONFERENCE ON MANUFACTURING SCIENCE AND EDUCATION (MSE 2021), June 2-4, 2021, Sibiu, Romania	https://doi.org/10.1007/978-3-030-86653-2_33
10.	2021	Sima I., Cristea D.M.	1	Record-to-Record Travel Algorithm for Biomolecules Structure Prediction, Computational Science and Its Applications – ICCSA 2021	Computational Science and Its Applications – ICCSA 2021. Lecture Notes in Computer Science, vol 12949. Springer, Cham.	https://doi.org/10.1007/978-981-99-8385-8_16
11.	2023	Popescu Doru-Anastasiu, Cristea Daniela-Maria, Bold Nicolae	1	A Transfer Learning Approach Interaction in an Academic Consortium	Advances in Web-Based Learning – ICWL 2023	10.1109/SYNASC61333.2023.00034
12.	2023	Onita Daniela, Cucu Ciprian	3	Automatic Text Summarization using Kernel Ridge Regression	25th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC)	10.1109/ECAI58194.2023.10193934
13.	2023	Maria Viorela Muntean	1	Improving Air Pollution Forecasting in Smart Cities using Clustering Techniques	2023 15th International Conference on Electronics, Computers and Artificial Intelligence (ECAI)	https://www.imt.ro/cas/
14.	2023	Popescu Doru-Anastasiu, Cristea Daniela-Maria, Bold Nicolae	1	On an integrated assessment for the students within an academic consortium	19th International Conference Intelligent Tutoring Systems	doi:10.1088/1757-899X/916/1/012019
15.	2023	Doru Popescu Anastasiu, Ovidiu Domsa, Nicolae Bold	1	The Determination of the Learning Performance based on Assessment Item Analysis	CEUR Workshop Proceedings, 2023, 3357, pp. 59–76, The 16th ACM International WSDM Conference.	www.atom-n.ro
16.	2020	V. Trifa, G. Brezeanu, E. Ceuca	1	BLOCK COMMUTATION VS SINUSOIDAL COMMUTATION FOR BLDC MOTORS	2020 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS)	10.1109/ICE/ITMC49519.2020.9198593
17.	2020	Ciortea Elisabeta Mihaela	1	Cloud manufacturing - the connection between RAMI 4.0 and IoT	ModTech 2020: IOP Conference Series: Materials Science and Engineering, Volume 916, ModTech International Conference - Modern Technologies in Industrial Engineering VIII 23-27 June 2020, Iasi, Romania	10.1117/12.2571231
18.	2020	M. Vladescu, Alex. Craciun, A. B?rar, P. Schiopu, A. Tulbure	1	Contributions to the analysis of substances with time-domain terahertz spectroscopy	Proceedings of 10th International Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies (ATOM-N 2020).	http://www.atom-n.ro/
19.	2020	M. Kadar, A. Tulbure	2	Data Analytics to Support Energy Efficiency Assessment in Buildings for Education	2020 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC), Cardiff, United Kingdom, 2020	https://www.imt.ro/cas/index.php
20.	2020	Hutanu Constantin	1	Experimental stand of absorption measurements in the 8.6 - 9.5 GHz range for very thin samples with offset of the reflected wave phase	ADVANCED TOPICS IN OPTOELECTRONICS, MICROELECTRONICS AND NANOTECHNOLOGIES 2020 20-23 August 2020, Proc. SPIE 11718, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies X, Volume 117181T, 6 pagini	www.atom-n.ro
21.	2020	Oroian Boca Maria Loredana, Boca Liana, Cebuc George	2	Intelligent lighting system using single shot multibox detector	The 10th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies", 20 - 23 August 2020, Constanta, Romania	10.1109/ICE/ITMC49519.2020.9198554
22.	2020	Valentin-Gabriel Voiculescu; Adrian Tulbure; Marian Vi?descu	1	Method of isolating and modelling active CPU consumption in modern smartphones using system-wide measurements.	International Semiconductor Conference (CAS2020 Conference Paper	10.1088/1757-899X/877/1/012003
23.	2020	Adrian Tulbure , Ghe. Marc , R. Voina, M. Vladescu, G. Muscalu	1	Price-Performance Ratio Analysis for Advanced LED Lighting Applications	Proceedings of 10th International Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies (ATOM-N 2020)	https://www.imt.ro/cas/
24.	2020	T. Kadar and M. Kadar	2	Sustainability Is Not Enough: Towards AI Supported Regenerative Design	2020 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC), Cardiff, United Kingdom, 2020	https://www.imt.ro/cas/

25.	2020	G Buica, A E Antonov, C Beiu, R Dobra, M Risteiu	2	The Influence of Thermal Factors on the Protection Characteristics of Electro-Insulating Materials	In proceedings	https://www.imt.ro/cas/index.php
26.	2020	Emilian CEUCA	1	THE TOOLS AND CUSTOM INTERFACES FOR SIMULATION AND FAST DESIGN OF THE CONVERTERS	2020 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS)	10.1109/ECAI52376.2021.9515185
27.	2020	V. Trifa, G. Brezeanu, E. Ceuca	1	UNIPOLAR PWM VS BIPOLAR PWM IN THREE PHASE BLOCK COMMUTATION	2020 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS)	https://ieeexplore.ieee.org/xpl/conhome/9467488/proceeding
28.	2020	GS Muscalu;N.Varachi u;B.Firtat;S. Dinulescu;A. Tulbure;C. Moldovan	1	Vibrational energy harvesting devices for Structural Health Monitoring – Design optimization.	International Semiconductor Conference (CAS2020 Conference Paper	10.1109/ICCCA52192.2021.9666418
29.	2021	Tulbure Andrei-A.; Covaciu C.; Pintea B.; Tulbure Adrian-A	1	Automated ceramic plate defect detection using ScaledYOLOv4-large	Proceedings of 13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) 1-3 July 2021	10.1109/ICE/ITMC52061.2021.9570234
30.	2021	E. CEUCA	1	Development of a Remote Patient Monitoring Device for the Detection of Fainting and Critical Condition	2021 44th International Spring Seminar on Electronics Technology (ISSE)	https://www.isse2022.at/isse-2022
31.	2021	I. Szabo, Andrei-A Tulbure, D. Fleseriu and Adrian A Tulbure	2	Vibration and temperature sensor network solutions: case study for industry 4.0	Proceedings of IEEE 6th International Conference on Computing, Communication and Automation (ICCCA-21)	ISSN 1454 - 8003
32.	2021	Timea Kadar, Manuella Kadar	1	Wellness in the Sky: Analysis and Regenerative Perspectives of the Modernist Social High-Rises in London, UK	2021 IEEE International Conference on Engineering, Technology and Innovation (ICE/ITMC), Cardiff, United Kingdom, 2021	https://www.mateconferences.org/articles/mateconf/pdf/2022/20/mateconf_simpro2022_00068.pdf
33.	2022	Tulbure Adrian-A., Fleseriu D, Szabo I, Stoica C	2	Accuracy and Convergence Analysis of Software Tools for Solar Energy Assessment	2022 45TH INTERNATIONAL SPRING SEMINAR ON ELECTRONICS TECHNOLOGY (ISSE) Book SeriesInternational Spring Seminar on Electronics Technology ISSE	10.1109/ECAI54874.2022.9847431
34.	2022	Ciortea Elisabeta Mihaela	1	Empirical aspects of the analysis of the digitization of manufacturing	Proceedings of 2022 International Conference on Hydraulics and Pneumatics - HERVEX November 9-10, B?ile Govora, Romania, pag. 53-58	https://www.aqtr.ro/
35.	2022	Anca Elena Antonov, Georgeta Buic?, Constantin Beiu, Remus Dobra,	1	Management of occupational safety and health in the commissioning of defective work equipment in the manufacturing industry	MATEC Web of Conferences/10th edition of the International Multidisciplinary Symposium "UNIVERSITARIA SIMPRO 2022": Quality and Innovation in Education, Research and Industry – the Success Triangle for a Sustainable Economic, Social and Environmental Development	https://www.aqtr.ro/
36.	2022	Tulbure Andrei-A.; Covaciu C.; Szabo I.; Tulbure Adrian-A.; Dulf Eva	2	Novel ceramic plate defect detection using YOLO- R	Proceedings of 14th International Conference on Electronics, Computers and Artificial Intelligence (ECAI-2022) 30 June-1 July 2022; Ploiesti, Romania	DOI: 10.1117/12.2643302
37.	2022	Tulbure Andrei-A, Covaciu C, Tulbure Adrian-A, Safirescu C. Dulf Eva	1	Novel Defect Tracking Using DeepSORT, ScaledYOLOv4 and the Clip Mode	Proceedings of IEEE International Conference on Automation Quality and Testing Robotics (AQTR 2022), Page 361-366, 19-21.May 2022, Cluj-Napoca	https://ieeexplore.ieee.org/xpl/conhome/9812704/proceeding
38.	2022	Szabo I, Tulbure Andrei-A, Fleseriu D, Tulbure Adrian-A.	1	Predictive Maintenance Efficiency Study Using Wireless Sensor Clusters (WSCs)	PROCEEDINGS OF 2022 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2022) Book SeriesIEEE International Conference on Automation Quality and Testing Robotics	https://doi.org/10.1007/978-94-024-2174-3
39.	2022	Adrian Tulbure , Ghe. Marc	1	Reconfigurable FPGA application for real time control of industrial robots	11th International Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies (ATOM-N 2022	https://atom-n.ro/posters_uploads/ATOM-N2022-Conference-Program-Final.pdf
40.	2022	E. CEUCA	1	Study and Integrated Strategies for Development and Minimizing Energy Losses in Batteries	2022 45th International Spring Seminar on Electronics Technology (ISSE)	https://www.webofscience.com/wos/woscc/full-record/WOS:000894285700041

41.	2022	Ciortea Elisabeta Mihaela	1	The Impact of Cloud Systems on Manufacturing	In proceedings	https://isse-conf.eu/
42.	2022	Constantin Hutanu	1	The voltage influence on the radiative power spectrum levels of Gunn dioda in the microwave cavity resonator	Conference on Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies XI, Book Series: Proceedings of SPIE-The International Society for Optical Engineering Volume: 12743 Article Number: 138187 Published: 31 December 2020	https://et.utcluj.ro/mps/
43.	2023	Kadar, M (Kadar, Manuela) Botnari, A (Botnari, Alexei)	1	Challenges in Deep Learning Applied to the Knee Joint Magnetic Resonance Imaging: A Survey	PROCEEDINGS OF SEVENTH INTERNATIONAL CONGRESS ON INFORMATION AND COMMUNICATION TECHNOLOGY, VOL 4	https://siitme.ro/2023-edition/electronic-week-program-in-detail/
44.	2023	Ioan Szabo; Camelia P. Stoica; Adrian Alex.Tulbure	1	Condition Monitoring for Detecting the Malfunction of Industrial Machines	Proceedings of the 46th International Spring Seminar on Electronics Technology (ISSE 2023); 10-14 May 2023 Timisoara	https://www.imt.ro/cas/
45.	2023	Paula-C. Stoica; Alex. Avram; Ioan Szabo; Petruscu Calin;	2	Experimental validation of simulation models for the emitter coil of an WPT system	Proceedings of the 10th IEEE International Conference on Modern Power Systems (MPS 2023). 21-23 June 2023 Cluj-Napoca,	doi:10.1088/1757-899X/916/1/012019
46.	2023	Constantin Hutanu, Gheorghe Marc	1	Intelligent green electricity management system	Conference Proceedings 2023 IEEE 29th International Symposium for Design and Technology in Electronic Packaging (SIITME)	www.atom-n.ro
Total		46				

7. Venituri realizate prin contracte de cercetare³

7.1	Numărul și valoarea contractelor de cercetare internaționale finanțate din fonduri publice Contract nr. și data/Titlul sau tema contractului/Perioada de derulare/Responsabil de contract sau membrii din centrul de cercetare în contract	Valoare lei
1	CEEPUS, CIII-HU-0019, Program de cooperare în cercetare al Ministerului Austriac al Educației, științei și Cercetării (BMBWF) între 2017 și 2021 pentru perioada februarie 2020 – iunie 2020, la Universitatea Johannes Kepler, Institutul de Bioinformatică și Inteligența Artificială, Linz, Austria.	18000
2	91/SGU/NC/I din 19.12.2017, PROIECTUL PRIVIND ÎNVĂȚĂMÂNTUL SECUNDAR (ROSE), TITLUL PROIECTULUI: Dezvoltare, afirmare, reusita la începutul studentiei (DARIS)	130000
3	Smart for Health, Comisia Europeană prin H2020, 2020-2021	115200
4	TeXTOUR "Social Innovation and TEchnologies for sustainable growth through participative cultural TOURism", H2020-SC6-TRANSFORMATIONS-2020-101004687, 2020-2022	87264
5	Bridge Grant PN-III-P2-2.1-BG-2016-0302 Optimizarea Tehnologiilor De Execu?ie Privind Reabilitarea Cl?dirilor De Patrimoniu Afectate De Umiditate" (OTERP)	420000
6	PN-III-P1-1.2-PCCDI-2017-0652 Tehnologii inovative pentru recuperarea avansata a materialelor din deseuri de echipamente informatice si de telecomunicatii	96911
7	PN-III-P2-2.1- PED-2019-3739 ELABORAREA UNOR PRODUSE INOVATOARE DIN MATERIALE AVANSATE (MORTARE), FOLOSITE ÎN REABILITAREA CLADIRILOR DE PATRIMONIU (DIPAM)	175350
Total		7

7.2	Numărul și valoarea contractelor de cercetare internaționale finanțate din fonduri private Contract nr. și data/Titlul sau tema contractului/Perioada de derulare/Responsabil de contract sau membrii din centrul de cercetare în contract	Valoare lei
Total		

7.3	Numărul și valoarea contractelor de cercetare naționale finanțate din fonduri publice ⁴ Contract nr. și data/Titlul sau tema contractului/Perioada de derulare/Responsabil de contract sau membrii din centrul de cercetare în contract	Valoare lei
Total		

7.4	Numărul și valoarea contractelor de cercetare naționale finanțate din fonduri private Contract nr. și data/Titlul sau tema contractului/Perioada de derulare/Responsabil de contract sau membrii din centrul de cercetare în contract	Valoare lei
Total		

³ Beneficiarul contractului de cercetare este Universitatea „1 Decembrie 1918” din Alba Iulia, structura cu personalitate juridică în cadrul căreia funcționează centrul de cercetare.

⁴ Nu se includ contractele de tip PNRR, contractele finanțate prin fonduri structurale, contractele cu fonduri de dezvoltare instituțională (FDI).

7.5	Numărul și valoarea contractelor finanțate din alte surse ⁵	Valoare lei
	Contract nr. și data/Titlul sau tema contractului/Perioada de derulare/Responsabil de contract sau membrii din centrul de cercetare în contract	
1.	CNFIS-FDI-2020-0453, Acțiuni de consolidare a capacității și instrumentelor instituționale de susținere a excelenței în cercetare	300000
2.	CNFIS-FDI-2021-0463, Acțiuni de consolidare a capacității și instrumentelor instituționale de susținere a cercetării științifice a Universității 1 Decembrie 1918 din Alba Iulia - ACCIISCS UAB	332000
3.	CNFIS-FDI-2021-0127, SAS UAB – SKILLS AND CHALLENGE	120000
4.	CNFIS-FDI-2022-0268, Acțiuni pentru dezvoltarea capacității pentru cercetare științifică în Universitatea 1 Decembrie 1918 din Alba Iulia	260000
5.	CNFIS-FDI-2022-0559, Corelarea competențelor studenților cu cerințele pieței muncii prin activități și servicii specifice de consiliere în cariera și monitorizarea inserției absolvenților în cadrul UAB – PRO CARIERA	99000
6.	POCU/626/6/13/131603, Stagii integrate de practică și consiliere profesională pentru absolvenți competitivi pe piața muncii (SIPAC)	4704832
7.	CNFIS-FDI-2023-F-0493, "Măsuri și instrumente specifice de consiliere, orientare în cariera și corelare a ofertei educaționale cu cererea pieței muncii – INSERT UAB"	149000
8.	CNFIS-FDI-2023-F-0250, Acțiuni pentru dezvoltarea capacității pentru cercetare științifică în Universitatea "1 Decembrie 1918" din Alba Iulia	200000
9.	CNFIS-FDI 0328/2020, PROGRAM INTEGRAT INSTITUTIONAL DE SUPT, MOTIVARE SI CONSILIERE PENTRU ELEVI SI STUDENTI ÎN RISC, PENTRU ACCES LA ÎNVĂȚĂMÂNTUL SUPERIOR, ECHITATE SI MENTINEREA ÎN EDUCATIE	290000
10.	CNFIS-FDI 2021-0287, Îmbunătățirea calității activității didactice la Universitatea „1 Decembrie 1918” din Alba Iulia prin dezvoltarea de soluții informatice, formare profesională continuă și instrumente de benchmarking	360000
11.	CNFIS-FDI 2021-0468, Studenți și elevi informați despre oferta universitară, consiliați și sprijiniți profesional- pentru acces echitabil, continuare și finalizare studii superioare (Prioritar: echitatea!)"	285000
12.	CNFIS-FDI-2022-0219, "Mecanisme de îmbunătățire a calității procesului de învățământ la Universitatea „1 Decembrie 1918” din Alba Iulia"	337760
13.	Program integrativ de creștere a echității sociale, acces la studii și pe piața muncii pentru liceeni, studenți și absolvenți prin dezvoltarea parteneriatelor și a serviciilor de consiliere în cariera, CNFIS-FDI-2019-0255	302500
14.	Stagii de practică pentru studenți, 43/05.12.2019	25000
15.	Măsurări electronice standardizate, elaborare AECOMPLEX, interpretare și optimizare, 1045/17.12.2019	10555
16.	Servicii de măsurare, elaborare, optimizare a auditului energetic complex ptr instalațiile aferente ale SC APA CTTA SA Alba, 324/20.05.2022	11188
17.	Studiu de oportunitate - Parc fotovoltaic, județul Alba, 379/25.04.2023	10000
18.	EUH2020- Manufacturing Platform Zero Defects, 105/28.02.2019	16077
19.	POCU/379/6/21/124185 CEO Antreprenor – Competitivitate, Excelență?, Oportunitate	7907608
20.	PN-III-P2-2.1-PED-2019-3739 DEVELOPMENT OF SOME INNOVATIVE PRODUCTS FROM ADVANCED MATERIALS (MORTARS), USED IN THE REHABILITATION OF HERITAGE BUILDINGS	592050
21.	CNFIS-FDI-2023-F-0253 Digitalizarea și promovarea eticii academice ca paradigme fundamentale în spectrul îmbunătățirii calității învățământului la Universitatea „1 Decembrie 1918” din Alba Iulia”	280000
22.	Contract CNFIS-FDI-2020-0256 Îmbunătățirea calității activităților didactice și creșterea vizibilității UAB prin implementarea de soluții informatice pentru învățământ, evaluarea programelor de studii și ranking universitar	260000
23.	CNFIS-FDI-2021-0287 Îmbunătățirea calității activității didactice la Universitatea „1 Decembrie 1918” din Alba Iulia prin dezvoltarea de soluții informatice, formare profesională continuă și instrumente de benchmarking	360000
	Total	23

25.10.2024

Director SECI,

Conf.univ.dr.ing. Kadar Manuella



⁵ Se pot include contracte de servicii, contractele de tip PNRR, contractele finanțate prin fonduri structurale, contractele din fonduri de dezvoltare instituțională (FDI).