

FIȘA DE VERIFICARE
 a îndeplinirii standardelor minime naționale de prezentare la examenul de promovare pe postul de
 conferențiar universitar

Candidat: **MĂTĂSARU PETRE-DANIEL** / Data nașterii: [REDACTED] Funcția actuală: șef lucrări, Data numirii în funcția actuală: 1.10.2014 Instituția: Universitatea Tehnică
 "Gheorghe Asachi" din Iași

Nr. crt.	Domeniul de activitate	Conferențiar	Conferențiar
		Standarde minime impuse	Standarde realizate
A1	Activitatea didactică/ profesională (A1)	50	70
A2	Activitatea de cercetare (A2)	300	403.24
A3	Recunoașterea impactului activității (A3)	50	409.2
TOTAL (A)		400	882.44

Se preia tabelul și definițiile corespunzătoare domeniului științific aferent, conform Anexei PO.DID.12_A1.3.

Condiții minime obligatorii pe subcategorii		Conferențiar	Conferențiar
		Standarde minime impuse	Standarde realizate
A1.1.1 – A1.1.2	Cărți de specialitate	1 carte / capitol	2
A2.1	Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings.	6 din care minim 1 în reviste cotate ISI Q1 sau Q2	7 (4 Q1/Q2)
A2.4.1	Granturi / proiecte de cercetare câștigate prin competiție (Director / Responsabil partener)	1	1
A3.1.1	Număr de citări în cărți, reviste cotate ISI și în volume ale unor manifestări științifice ISI (WOS)	10	158
Factor de impact ISI cumulat pentru publicații		4	18.662

Candidat. **MĂTĂSARU PETRE-DANIEL**

Data: 17.12.2025

Criteriul de evaluare	Indicatori de performanță (cu explicitarea modului de calcul a punctajului pentru fiecare realizare, conf. Anexa 1)	Punctaj
1. Activitate didactică și profesională (A1)	Cărți de autor sau capitole de specialitate în edituri cu ISBN Realizări: A 1.1.2.1. L. Trifina, Daniel Mătășaru, <u>"Interleavere pentru coduri Turbo"</u> , Ed. Tehnopress, 2013, ISBN:978-973-702-983-6, 177 pg (acad.) Punctaj: 50/nr. Autori = 50/2 = 25p	25
	A 1.1.2.2. Irinel Casian Botez, Daniel Mătășaru, <u>"Rețele de Calculatoare și Utilizare Internet"</u> , Ed. CERMI, 2005, ISBN:973-667-141-0, 125 pg (acad.) Punctaj: 50/nr. Autori = 50/2 = 25p	25
	Material didactic / Lucrări didactice publicate în edituri cu ISBN Realizări: A 1.2.1.1 L. Trifina, D. Mătășaru, <u>"Transmisia și codarea informației Decizie și estimare în prelucrarea informației - îndrumar de laborator"</u> , Ed. Tehnopress, 2013, ISBN:978-973-702-984-3, 86 pg. (acad) Punctaj: 40/nr. Autori = 40/2 = 20p	20
Total punctaj Criteriu A1		70
	A2.1. Articole în reviste cotate ISI și lucrări în volumele unor manifestări științifice indexate ISI Realizări: 2.1.1 Niculescu, O., Dimitriu, D.G., Paun, V.P., Mătășaru, P. D., Scurtu, D., Agop, M., <u>"Experimental and theoretical investigations of a plasma fireball dynamics"</u> , Physics of Plasmas, vol.17, no. 4, 2010 (Impact factor 2.314 in 2010 - Q2) Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 2.314) / 6 = 15.73$ p	15.73
	2.1.2 Sandu, A.V.; Vasilache, V.; Sandu, I.G.; Sieliechi, J.M.; Kouame, I.K.; Matasaru, P.D.; Sandu, I. <u>Characterization of the Acid-Base Character of Burned Clay Ceramics Used for Water Decontamination</u> . MATERIALS 2019 (Q1 - Impact Factor 3.2 (pe anul 2024), Volume: 12 Issue: 23, Article Number: 3836, DOI: 10.3390/ma12233836 Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 3.2) / 7 = 17.28$ p	17.28
	2.1.3. Luhar I, Luhar S, Abdullah MMA, Razak RA, Vizureanu P, Sandu AV, Matasaru P.D.: <u>"A State-of-the-Art Review on Innovative Geopolymer Composites Designed for Water and Wastewater Treatment"</u> MATERIALS 2021 (Q1 - Impact Factor 3.748 (2021), vol.14, Is. 23, Article Number 7456, DOI 10.3390/ma14237456 Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 3.748) / 7 = 19.63$ p	19.63
	2.1.4 Wattanapanich C., Imjai T., Garcia R., Rahim N.L., Abdullah M.M.A., Sandu A.V., Vizureanu P., Matasaru P.D., Thomas B.S. <u>"Computer Simulations of End-Tapering Anchorages of EBR FRP-Strengthened Prestressed Concrete Slabs at Service Conditions"</u> MATERIALS (Basel, Switzerland), vol.16, Is. 2, Article Number 851, DOI 10.3390/ma1602085, 2023 (Q2), Impact Factor 3.4 (2023). Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 3.4) / 7 = 14.11$ p	14.11
	2.1.5 Scripcariu Luminita, Daniel Mătășaru, Diaconescu Vlad: <u>"Comparison of Materials Used for Electrical Battery Components with Low Environmental Impact"</u> – UPB Scientific Bulletin Series C-Engineering and Computer Science, ISSN 1223-7027, Vol. 73, Issue No. 3, pp. 83-92, 2017, Impact Factor 0.3 (pentru anul 2024). Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 0.3) / 3 = 11.33$ p	11.33
	2.1.6 Daniela Ionescu, Daniel Mătășaru, Viviana Radu: <u>"Study of the Diffusion Controlled Properties in the Ferrite-Ferroelectric Nanocomposites"</u> – UPB Scientific Bulletin Series A-Applied Mathematics and Physics, ISSN 1223-7027, Vol. 75, Issue No. 4, pp. 265-274, 2013, Impact Factor 0.6 (pentru anul 2024). Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 0.6) / 3 = 14.33$ p	14.33
	2.1.7 Luminita Dandu-Bibire, Zoltan Borsos, Daniel Mătășaru, Irinel Casian-Botez, Adrian Niculescu, Maricel Agop: <u>"Gun-type effects in a generalized Maxwell field"</u> – UPB Scientific Bulletin Series a-Applied Mathematics and Physics Volume: 73 Issue: 2 Pages: 175-184, 2011 Impact Factor 0.6 (pentru anul 2024). Punctaj: $(25+30 \cdot \text{factor impact})/\text{nr. autori} = (25+30 \cdot 0.6) / 6 = 7.16$ p	7.16
	2.1.8. P.D. Mătășaru, L. Scripcariu, F. Diaconu: <u>"On the QoS for Satellite IP networks: a Follow-Up"</u> , 2019 International Symposium on Signals, Circuits	10.83

and Systems (ISSCS 2019), 11-12 July 2019 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 3 = 10.83$ p	
2.1.9. F. Diaconu, L. Scripcariu, P.D. Mătăsar, F. Mocanu: <u>"Hardware Design of a (2,1,2) Binary Convolutional Encoder Circuit"</u> , 2019 International Symposium on Signals, Circuits and Systems (ISSCS 2019), 11-12 July 2019 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12$ p	8.12
2.1.10. L. Scripcariu, F. Diaconu, P.D. Mătăsar, F. Mocanu: <u>"Proposal and Analysis of a New Image Encryption Algorithm"</u> , 2019 International Symposium on Signals, Circuits and Systems (ISSCS 2019), 11-12 July 2019 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12$ p	8.12
2.1.11. Petre-Daniel Mătăsar, Luminița Scripcariu, Felix Diaconu, <u>"Analysis of proposed innovative methods for training students in IoT and Computer Networks within the frame of current trends in Technical and Vocational Education"</u> , 2018 International Conference and Exposition on Electrical and Power Engineering (EPE 2018), 18-19 October 2018, Iasi, Romania, ISBN 978-1-5386-5061-5 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 3 = 10.83$ p	10.83
2.1.12. F. Diaconu, L. Scripcariu, P.D. Mătăsar, L. Gafencu: <u>"Hardware Design of a 7-DFT Computing Circuit Operating on a Galois Field"</u> , ECAI 2018 - International Conference – 10th Edition Electronics, Computers and Artificial Intelligence, 28-30 June 2018, Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12$ p	8.12
2.1.13. L. Scripcariu, F. Diaconu, P.D. Mătăsar, L. Gafencu, <u>"AES Vulnerabilities Study"</u> , ECAI 2018 - International Conference – 10th Edition Electronics, Computers and Artificial Intelligence, 28-30 June 2018, Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12$ p	8.12
2.1.14. V.D. Diaconescu, L. Scripcariu, P.D. Mătăsar, M.R. Diaconescu: <u>"Risk Identification in a Smart Monitoring System Used to Preserve Artefacts Based on Textile Materials"</u> , ICIR - International Conference on Innovative Research 2018, 17-18 May 2018 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12$ p	8.12
2.1.15. D. Ionescu, P.D. Mătăsar: <u>"Analysis of some specular nano-oxide-layer spin valve used for digital applications"</u> , 21st Innovative Manufacturing Engineering & Energy International Conference – IManE&E 2017, 25-26 May 2017 Iasi, Romania, Article no 04010 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 2 = 16.25$ p	16.25
2.1.16. P.D. Mătăsar, L. Scripcariu: <u>"Innovative method for training students to develop enterprising, decision-making and cooperation skills through complex computernetworks team-design"</u> , 21st Innovative Manufacturing Engineering & Energy International Conference – IManE&E 2017, 25-26 May 2017 Iasi, Romania, Article no 08007 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 2 = 16.25$ p	16.25
2.1.17. L. Scripcariu, P.D. Mătăsar: <u>"Complex approach in telecommunication engineering education: develop engineering skills by a team project"</u> , 21st Innovative Manufacturing Engineering & Energy International Conference – IManE&E 2017, 25-26 May 2017 Iasi, Romania, Article no 08003 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 2 = 16.25$ p	16.25
2.1.18. F. Diaconu, P.D. Mătăsar, L. Scripcariu: <u>"Hardware Design of an RS (7, 5) Data Coding Circuit Used by Digital Communication Systems"</u> , 2017 International Symposium on Signals, Circuits and Systems (ISSCS 2017), 13-14 July 2017 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 3 = 10.83$ p	10.83
2.1.19. P.D. Mătăsar, L. Scripcariu, F. Diaconu: <u>"An up-to-date overview on QoS for Satellite IP networks"</u> , 2017 International Symposium on Signals, Circuits and Systems (ISSCS 2017), 13-14 July 2017 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 3 = 10.83$ p	10.83
2.1.20. L. Scripcariu, P.D. Mătăsar, F. Diaconu: <u>"Extended DES Algorithm to Galois Fields"</u> , 2017 International Symposium on Signals, Circuits and Systems (ISSCS 2017), 13-14 July 2017 Iasi, Romania Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 3 = 10.83$ p	10.83
2.1.21. Alexandru Constantin Alexandrescu, Tecla Castelia Goras, Dimitrie Alexa, Irinel Valentin Pletea, Petre-Daniel Mătăsar, <u>"RNSIC-1 Based Wind</u>	6.5

<u>Energy Conversion</u>" 2013 International Symposium on Signals, Circuits and Systems (ISSCS 2013), 11-12 July 2013 Iasi, Romania, ISBN 978-1-4673-6141-5, paper no 74 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 5 = 6.5$ p 2.1.22. C. Aghion, M. Lucanu, O. Ursaru, D. Mătăsar, <u>"Implementation Of The ISPWM-DPWM-S2 Technique On A Microcontroller"</u> 2013 International Symposium on Signals, Circuits and Systems (ISSCS 2013), 11-12 July 2013 Iasi, Romania, ISBN 978-1-4673-6141-5, paper no 18 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 4 = 8.12$ p 2.1.23. Luminița Scripcariu, P.D. Mătăsar, <u>"On the Substitution Method of the AES Algorithm"</u> 2013 International Symposium on Signals, Circuits and Systems (ISSCS 2013), 11-12 July 2013 Iasi, Romania, ISBN 978-1-4673-6141-5, paper no 15 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 2 = 16.25$ p 2.1.24. Vlad-Andrei Scarlatache, Andrei Niagu, Daniel Mătăsar, Romeo Cristian Ciobanu, Brunetto Martorana, <u>"Modification of dielectric properties, after barium titanate nanoparticles sintering, from a thermoplastic polymer matrix"</u> 2012 International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October 2012, Iasi, Romania, ISBN 978-1-4673-1171-7 pag. 94-98 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 5 = 6.5$ p 2.1.25. Daniel Mătăsar, Vlad-Andrei Scarlatache, Andrei Pruteanu, Bogdana Florean, Georgiana Viziteu, <u>"Analysis of dielectric loss at high frequency, for a nanocomposite polymer matrix, based on Polypropylene with insertion of multi-walled carbon nanotubes (MWCNTS)"</u>, 2012 International Conference and Exposition on Electrical and Power Engineering (EPE 2012), 25-27 October 2012, Iasi, Romania, ISBN 978-1-4673-1171-7 pag. 116-119 Factor Impact Echivalent 0.25. Punctaj: $(25+30 \cdot \text{factor impact}) / \text{nr. autori} = (25+30 \cdot 0.25) / 5 = 6.5$ p	8.12 16.25 6.5 6.5
A2.2. Articole în reviste și lucrări în volumele unor manifestări științifice indexate în alte baze de date internaționale recunoscute (BDI) Realizări: 2.2.1. P.D. Mătăsar, L. Scripcariu, <u>"Improving Online Teaching by Short-Time Activities"</u>, 2022 International Conference and Exposition on Electrical and Power Engineering (EPE 2022), 19-21 October 2022, Iasi, Romania Punctaj: $20 / \text{nr. autori} = 20 / 2 = 10$ p 2.2.2. P. D. Mătăsar, L. Scripcariu and Ș. C. Stoica, <u>"Presentation of a Development Kit for IoT Applications and a Potential Solution for Communications Security."</u> 2021 International Symposium on Signals, Circuits and Systems (ISSCS), 2021, pp. 1-5, doi: 10.1109/ISSCS52333.2021.9497375, ISBN: 978-1-6654-4943-4 Punctaj: $20 / \text{nr. autori} = 20 / 3 = 6.66$ p 2.2.3. L. Scripcariu, A. -E. Birlădeanu and P. -D. Mătăsar, <u>"Improved C-Language Implementation of AES Algorithm for WSN,"</u> 2021 International Symposium on Signals, Circuits and Systems (ISSCS), 2021, pp. 1-4, ISBN: 978-1-6654-4943-4, doi: 10.1109/ISSCS52333.2021.9497394 Punctaj: $20 / \text{nr. autori} = 20 / 3 = 6.66$ p 2.2.4. Stoica C., Mătăsar, P., Scripcariu, L. <u>"Reducing Power Consumption in Smart Monitoring Systems with BLE Wireless Technology"</u> International Conference on Innovative Research (ICIR) Iasi, 21st–22nd of May 2020, IOP Conference Series: Materials Science and Engineering. 877. 012060. 10.1088/1757-899X/877/1/012060 Punctaj: $20 / \text{nr. autori} = 20 / 3 = 6.66$ p 2.2.5. Scripcariu L., Mătăsar, P. D., Mocanu, F. <u>"On the Security of a Smart City SDN-Based Network"</u>, International Conference on Innovative Research (ICIR) Iasi, 21st–22nd of May 2020, IOP Conference Series: Materials Science and Engineering. 877. 012051. 10.1088/1757-899X/877/1/012051 Punctaj: $20 / \text{nr. autori} = 20 / 3 = 6.66$ p 2.2.6. L. Scripcariu, P.D. Mătăsar and F. Mocanu, <u>"Smart School Application Scenario."</u> 2020 International Conference and Exposition on Electrical And Power Engineering (EPE), 2020, pp. 185-188, doi: 10.1109/EPE50722.2020.9305654 Punctaj: $20 / \text{nr. autori} = 20 / 3 = 6.66$ p 2.2.7. P.D. Mătăsar: <u>"Smart Lock System for Airbnb Platform using Global Navigation Satellite System Services"</u>, ICIR - International Conference on	10 6.66 6.66 6.66 6.66 6.66 20

3. Recunoașterea și impactul activității	Innovative Research 2019, 16-17 May 2019 Iasi, Romania. Punctaj: 20/nr. autori = 20 / 1 = 20 p	
	A2.4. Granturi / Proiecte de cercetare câștigate prin competiție sau Contracte cu agenți economici de minim 10.000 USD echivalent încasați Realizări: 2.4.1.2.1 Director grant "Cercetări privind modelarea și optimizarea sistemelor IoT inteligente pentru eficiență operațională și sustenabilitate în transportul feroviar" – Contract nr. 22672/16.06.2025 cu SC Prod Company SRL, valoare 52.000 RON (10.333,86 EUR) fără TVA – 6 luni. Punctaj: 10 * ani desfășurare = 10 / 0.5 = 5 p	5
	2.4.2.1.1 Membru echipă grant "Terapie hipertermo-chemoterapică combinată pentru controlul tumorilor hepatice, bazată pe activarea cu microunde a unor nanostructurifuncționalizate imobilizate subendotelial", ERA-Net EuroNanoMed JTC-3 (2011-2014) Director grant Prof. dr. ing. Romeo Ciobanu Punctaj: 4 * ani desfășurare = 4 * 3 = 12 p	12
	2.4.2.1.2 Membru echipă grant "Senzori integrați cu caracteristici microfluidice folosind tehnologia LTCC", PN III ERA NET nr. 9/2015 (2015-2016) Director grant Prof. dr. ing. Cristina Schreiner Punctaj: 4 * ani desfășurare = 4 * 2 = 8 p	8
	2.4.2.1.3. Membru echipă grant "Innovative nano-materials and architectures for integrated piezoelectric energy harvesting applications", PN III ERA NET nr. 50/2016 (2016-2019) Director grant Prof. dr. ing. Romeo Ciobanu Punctaj: 4 * ani desfășurare = 4 * 4 = 16 p	16
	2.4.2.1.3. Membru echipă grant "Zone urbane bioclimatice inteligente cu emisii reduse de carbon ca insule inovatoare energetice într-un oras durabil", PN III ERA NET nr. 83/2016 (2016-2018) Director grant Prof. dr. ing. Romeo Ciobanu Punctaj: 4 * ani desfășurare = 4 * 3 = 12 p	12
Total punctaj Criteriu 2		403.24
3. Recunoașterea și impactul activității	A3.1.1. Citări în cărți, reviste și volume ale unor manifestări științifice – cărți, reviste cotate ISI Realizări: Reviste cotate ISI și volume ISI Proceedings – citările pot fi verificate la adresa: https://www.webofscience.com/wos/author/record/B-9699-2011 A3.1.1.1. Niculescu, O., Dimitriu, D.G., Paun, V.P., Matasaru, Daniel, Scurtu, D., Agop, M., "Experimental and theoretical investigations of a plasma fireball dynamics", Physics of Plasmas, vol.17, no. 4, 2010 Source: Physics of Plasmas, Volume: 17 Issue: 4 Published: APR 2010 DOI:10.1063/1.3381067 Cited in WoS: 35, Punctaj: 8 / nr autori articol citat, dublat daca revista este Q1 sau Q2 Calcul: 16 articole care citează sunt Q1 sau Q2, din totalul de 35 == >> Punctaj total: 16 x 2 x 8/6 + (35-16) x 8/6 = 42.66 + 25.34 = 68p 1 Experimental and theoretical investigations of plasma multiple double layers and their evolution to chaos PLASMA SOURCES SCIENCE & TECHNOLOGY, Q1, Dimitriu, DG; Afori, M; Ivan, LM; Radu, V; Poll, E; Agop, 2 On the interaction between two fireballs in low-temperature plasma PHYSICS OF PLASMAS, Q2, Dimitriu, DG; Irimiciuc, SA; Popescu, S; Agop, M; Ionita, C; Schrittwieser, RW 3 Experimental and Theoretical Investigations of the Negative Differential Resistance in a Discharge Plasma JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, Q2, Agop, M; Nica, P; Niculescu, O; Dimitriu, DG 4 Spectral and electrical diagnosis of complex space-charge structures excited by a spherical grid cathode with orifice, PHYSICA SCRIPTA, Q2, Schrittwieser, RW; Ionita, C; Teodorescu-Soare, CT; Vasilevici, O; Gurtul, S; Irimiciuc, SA; Dimitriu, DG 5 Experimental investigations of the nonlinear dynamics of a complex space-charge configuration inside and around a grid cathode with hole PHYSICA SCRIPTA, Q2, Teodorescu-Soare, CT; Dimitriu, DG; Ionita, C; Schrittwieser, RW 6 Theoretical Modeling of Long-Time Drug Release from Nitrosalicyl-Imin-Chitosan Hydrogels through Multifractal Logistic Type Laws COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, Q2, Craciun, AM; Barhalescu, ML; Agop, M; Ochiuz, L 7 The force exerted by a fireball, PHYSICS OF PLASMAS Q2, Makrinich, G; Fruchtmann, A 8 Novel Approach for EEG Signal Analysis in a Multifractal Paradigm of Motions. Epileptic and Eclamptic Seizures as Scale Transitions SYMMETRY-BASEL, Q2, Irimiciuc, SA; Zala, A; Dimitriu, D; Himiniuc, LM; Agop, M; Toma, BF; Gavril, LG; Vasincu, D; Eva, L 9 Experimental and theoretical evidence for the chaotic dynamics of complex structures, PHYSICA SCRIPTA, Q2 Agop, M; Dimitriu, DG; Niculescu, O; Poll, E; Radu, V 10 Moderate Deviations for Stochastic Fractional Heat Equation Driven by Fractional Noise, COMPLEXITY, Q2, Sun, XC; Li, M; Zhao, W 11 Poly(vinyl alcohol boric acid)-Diclofenac Sodium Salt Drug Delivery Systems: Experimental and Theoretical Studies JOURNAL OF IMMUNOLOGY RESEARCH, Q2, Alincai, D; Dorobantu, AM; Dima, B; Irimiciuc, SA; Lupascu, C; Agop, M; Oiguta, O 12 Prospects and Challenges of the Drug Delivery Systems in Endometriosis Pain Management: Experimental and Theoretical Aspects JOURNAL OF IMMUNOLOGY RESEARCH, Q2, Toma, BF; Socolov, R; Popa, O; Socolov, D; Nica, I; Agop, M; Vasincu, D; Grigore, M; Ochiuz, L 13 Fractal Modeling of Polymer Plasma Laser Ablation, Plasma Plume Tsallis Entropy and Its q-Statistics Interpretation, Part I: Theory, ENTROPY, Q2, Paun, MA; Paun, VA; Paun, VP 14 Order to Chaos Transition in Plasma via Non-Differentiability: Experimental and Theoretical Investigations JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, Q2, Agop, M; Dimitriu, DG; Vrajitoriu, L; Boicu, M	68

- 15 Solid components separation from heterogeneous mixtures through turbulence control, POWDER TECHNOLOGY, Q2, Nedeff, V; Lazar, G; Agop, M; Eva, L; Ochiluz, L; Dimitriu, D; Vrajitoriu, L; Popa, C
- 16 Experimental investigation on low frequency instability in a fireball plasma sustained by a surrounding double layer, PHYSICA SCRIPTA, Q2Sut, P; Gogol, P; Biswas, S; Adhikary, NC; Bailung, H
- 17 NEW WAY IN FRACTAL ANALYSIS OF PULMONARY MEDICAL IMAGESUNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, Postolache, P; Borsos, Z; Paun, VA; Paun, VP
- 18 Self-Organized Space Charge Structure Formations in DC Glow Discharge, IEEE TRANSACTIONS ON PLASMA SCIENCE, Bose, S; Majumder, J; Paul, MK
- 19 Possible Dynamics of Polymer Chains by Means of a Ricatti's Procedure - an Exploitation for Drug Release at Large Time IntervalsMATERIALE PLASTICE, Cobzearu, BM; Irimiciuc, S; Vaideanu, D; Grigorovici, A; Popa, O
- 20 FRACTAL ANALYSIS IN COMPLEX ARTERIAL NETWORK OF PULMONARY X-RAYS IMAGESUNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, Nichita, MV; Paun, VP
- 21 A NONLINEAR MODEL IN THE DYNAMICS OF TUMOR-IMMUNE SYSTEM COMBINED WITH RADIOTHERAPYUNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, Butuc, I; Mirestean, C; Iancu, D
- 22 Elementary processes in the dynamics of two simultaneously excited fireballs in plasmaINTERNATIONAL JOURNAL OF MASS SPECTROMETRY, Gurlui, S; Niculescu, O; Dimitriu, DG; Ionita, C; Schrittwieser, RW
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Calcul: 60 articole care citează sunt Q1 sau Q2, din totalul de 77 == >> Punctaj total: $66 \times 2 \times 8/7 + (71-60) \times 8/7 = 150.85 + 12.57 = 163.42p$

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Calcul: 6 articole care citează sunt Q1 sau Q2, din totalul de 7 == >> Punctaj total: $6 \times 2 \times 8/9 + 1 \times 8/9 = 11.55p$

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7 The Reinforcing Effect of Nano-Modified Epoxy Resin on the Failure Behavior of FRP-Plated RC Structures, BUILDINGS, Q2De Maio, U; Gaetano, D; Greco, F; Lonetti, P; Blasi, PN; Pranno, A

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Calcul: 1 articol care citează sunt Q1 sau Q2, din totalul de 2 == >> Punctaj total: $1 \times 2 \times 8/2 + 1 \times 8/2 = 12p$

1 Practical Use of Secret Sharing for Enhancing Privacy in Clouds, ELECTRONICS, Curik, P; Ploszek, R; Zajac, P

2 A New Hybrid Online and Offline Multi-Factor Cross-Domain Authentication Method for IoT Applications in the Automotive Industry, ENERGIES, Khalid, H; Hashim, SJ; Ahmad, SMS; Hashim, F; Chaudhary, MA

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Calcul: 0 articole care citează sunt Q1 sau Q2, din totalul de 3 == >> Punctaj total: $3 \times 8/6 = 4p$

1 Thermal Insulation Properties of Insulated Concrete REVISTA DE CHIMIE Shahedan, NF; Abdullah, MMA; Mahmed, N; Kusbiantoro, A; Hussin, K; Sandu, AV; Naveed, A

2 Structure, Core Losses, Curie Temperature, Defects in the Structure of the Bulk Amorphous Alloy Fe55Co15W2Y8B20, REVISTA DE CHIMIE Gondro, J

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Calcul: 2 articole care citează sunt Q1 sau Q2, din totalul de 3 == >> Punctaj total: $2 \times 2 \times 8/3 + 1 \times 8/3 = 13.33p$

1 Dynamic Routings in Satellite Networks: An Overview, SENSORS, Q2Cao, XL; Li, YT; Xiong, XZ; Wang, J

2 5G for Construction: Use Cases and Solutions, ELECTRONICS, Q2Mendoza, J; de-la-Bandera, I; Alvarez-Merino, CS; Khatib, EJ; Alonso, J; Casallerrey-Diaz, S; Barco, R

3. A Real-Time Distributed Algorithm for Satellite Constellation Routing 2018 IEEE 18TH INTERNATIONAL CONFERENCE ON COMMUNICATION TECHNOLOGY (ICCT)

Liu, CY; Liu,

YJ

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Calcul: 3 articole care citează sunt Q1 sau Q2, din totalul de 4 == >> Punctaj total: $3 \times 2 \times 8/4 + 1 \times 8/4 = 14p$

1 Multi-Layer Cryptosystem Using Reversible Cellular Automata, ELECTRONICS, Q2 Stanica, GC; Angheliescu, P

2 Design of a Multi-Layer Symmetric Encryption System Using Reversible Cellular Automata, MATHEMATICS, Q1, Stanica, GC; Angheliescu, P

3 Practical Use of Secret Sharing for Enhancing Privacy in Clouds ELECTRONICS, Q2, Curik, P; Ploszek, R; Zajac, P

4 A New Hybrid Online and Offline Multi-Factor Cross-Domain Authentication Method for IoT Applications in the Automotive Industry, ENERGIES, Khalid, H; Hashim, SJ; Ahmad, SMS; Hashim, F; Chaudhary, MA

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Calcul: 1 articol care citează sunt Q1 sau Q2, din totalul de 2 == >> Punctaj total: $1 \times 2 \times 8/3 + 1 \times 8/3 = 8p$

12

4

13.33

14

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1 Efficient Security Algorithm for Power-Constrained IoT Devices IEEE INTERNET OF THINGS JOURNAL, Q1, Mamvong, JN; Goteng, GL; Zhou, B; Gao, Y2021	
2 ShinyAnonymizer: A Tool for Anonymizing Health Data ICAEWE 2019: PROCEEDINGS OF THE 5TH INTERNATIONAL CONFERENCE ON INFORMATION AND COMMUNICATION TECHNOLOGIES FOR AGEING WELL AND E-HEALTH, Vardalchakis, M; Kondylakis, H; Kourmakis, L; Kouroubali, A; Katehakis, DG, 2019	
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Calcul: 0 articole care citează sunt Q1 sau Q2, din totalul de 1 == >> Punctaj total: 1 x 8/5 = 1.6p	
1 Galvanic Corrosion Behaviour of Phosphate Nodular Cast Iron in Different Types of Residual Waters and Couplings REVISTA DE CHIMIE, Neijneru, C; Perju, MC; Nergis, DDB; Sandu, AV; Bejinariu, C, 2019	8
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1 5G for Construction: Use Cases and Solutions, ELECTRONICS, Q2, Mendoza, J; de-la-Bandera, I; Alvarez-Merino, CS; Khatib, EJ; Alonso, J; Casaldey-Diaz, S; Barco, R, 2021	5.33
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Realizări: Reviste cotate BDI si volume BDI Proceedings: Din cele 213 citări din SCOPUS scădem cele 152 WoS si raman 61 citări – toate citările pot fi verificate la adresa: https://www.scopus.com/authid/detail.uri?authorid=57194856295	
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	A3.2. Membru în colectivele de redacție sau științifice ale revistelor indexate ISI 'sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate ISI Realizări: Membru al Juriului Internațional EUROINVENT / ICIR – ediția 2018 Punctaj: 10	10
	A3.3. Membru în colectivele de redacție sau științifice ale revistelor indexate ISI 'sau membru în comitetele de organizare ale manifestărilor științifice internaționale indexate BDI Realizări: Membru al Juriului Internațional EUROINVENT / ICIR – edițiile 2019-2025 (7 ediții) Punctaj 7 x 6 = 42	42
Total punctaj Criteriu 3		409.2
Total general		882.44