

**Raportul activităților de cercetare științifică a cadrelor didactice/de cercetare
titulare din cadrul
Facultății de Științe Exacte,
Departamentul Matematica-Informatica,
pentru anul 2025**

1. Articole publicate în reviste indexate ISI (WOS) sau din categoria ISI/ Clarivate Analytics Arts&Humanities, ISI / Clarivate Analytics Emerging Sources Citation Index sau ERIH+ de către cadrele didactice/de cercetare din Facultatea de Științe Exacte în anul 2025: 14.

(a) Articole Q1: 10

1. Sarbu, Mirela; **Ica, Raluca**; Vukelic, Zeljka; Clemmer, David E.; Zamfir, Alina D., Overexpression of GM3 and Ganglioside Pattern Remodeling in Lung Adenocarcinoma Brain Metastases Identified by Ion Mobility Mass Spectrometry, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol. 26, no. 24, DOI: 10.3390/ijms262412029, WOS:001646728700001, IF. 4.9
2. **Raluca Ica**, Kristina Mlinac-Jerković, Mario Stojanović, Maria Roxana Biricioiu, Borna Puljko, Nikolina Maček-Hrvat, Marina Dobrivojević Radmilović, Željka Korade, Karoly Mirnics, David E. Clemmer, Alina D. Zamfir, Svjetlana Kalanj-Bognar, Deficiency of toll-like receptor 2 is a driver of sex-related compositional and structural rearrangements of membrane lipids, Communications Chemistry, vol. 8, no 1, DOI: 10.1038/s42004-025-01766-x, WOS:001638884200001, IF. 6.2
3. **Mihit, C. L.; Mot, G.**; Petrusel, G., NEW CONTRIBUTIONS TO COMMON FIXED POINT THEORY IN VECTOR METRIC SPACES, APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, vol. 19, no. 3, DOI: 10.2298/AADM250119027M, WOS:001650186200006, IF. 2.3
4. Rowshan, Mohammad; **Dragoi, Vlad-Florin**, Weight Structure of Low/High-Rate Polar Codes and Weight Contribution-Based Partial Order, IEEE

TRANSACTIONS ON INFORMATION THEORY, vol. 71, no 12, DOI: 10.1109/TIT.2025.3616283, WOS:001627937000005, IF. 2.8

5. Sarbu, Mirela; **Ica, Raluca**; Biricioiu, Maria-Roxana; Dehelean, Liana; Zamfir, Alina D., Glycosphingolipids in Dementia: Insights from Mass Spectrometry and Systems Biology Approaches, BIOMEDICINES, vol. 13, no 12, DOI: 10.3390/biomedicines13122854, WOS:001646937100001, IF. 3.9
6. **Mot, Ghiocel; Mihit, Claudia Luminita**, Stability Properties for Multi-Valued Contractions in Complete Vector-Valued B-Metric Spaces, MATHEMATICS, vol. 13, no 19, DOI: 10.3390/math13193069, WOS:001593728300001, IF. 2.3
7. **Ica, Raluca**; Sarbu, Mirela; Biricioiu, Roxana; Fabris, Dragana; Vukelic, Zeljka; Zamfir, Alina D., Novel Application of Ion Mobility Mass Spectrometry Reveals Complex Ganglioside Landscape in Diffuse Astrocytoma Peritumoral Regions, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol. 26, no. 17, DOI: 10.3390/ijms26178433, WOS:001569804000001, IF. 4.9
8. **Bogospel, Benjamin**, Optimal Finsler-Hadwiger Inequalities, RESULTS IN MATHEMATICS, vol. 80, no 3, DOI: 10.1007/s00025-025-02405-6, WOS:001466439900001, IF. 1.2
9. Antunes, Pedro R. S.; **Bogospel, Benjamin**, Optimization of the Steklov-Lamé eigenvalues with respect to the domain, JOURNAL OF DIFFERENTIAL EQUATIONS, vol. 426, DOI: 10.1016/j.jde.2025.01.043, WOS:001408193400001, IF. 2.1
10. Amstutz, Samuel; **Bogospel, Benjamin**, Nonlocal approximation of the anisotropic perimeter and application to topology optimization, ESAIM-CONTROL OPTIMISATION AND CALCULUS OF VARIATIONS, vol. 31, DOI: 10.1051/cocv/2024071, WOS:001615551700001, IF. 1.4

(b) Article Q2 : 3

1. Rotar, Raul; **Petcut-Lasc, Anca-Adriana**; Petcut, Flavius-Maxim; Opritoiu, Flavius; Vladutiu, Mircea, Failure Mode and Effects Analysis of a Microcontroller-Based Dual-Axis Solar Tracking System with Testing Capabilities, APPLIED SYSTEM INNOVATION, vol. 8, no 6, DOI: 10.3390/asi8060159, WOS:001645976400001, IF. 3.7

2. **Bogosei, Benjamin**, New variational arguments regarding the Blaschke-Lebesgue theorem, EXPOSITIONES MATHEMATICAE, vol 43, no 5, DOI: 10.1016/j.exmath.2025.125700, WOS:001498801100001, IF. 0.9
3. Maria Roxana Biricioiu, Kristina Mlinac-Jerković, Katarina Ilic, Tomislav Sajko, **Raluca Ica**, Mirela Sarbu, David E.Clemmer, Svjetlana Kalanj-Bognar, Alina D. Zamfir, Advanced Ganglioside Characterization in Epileptic Human Hippocampus by Travelling Waves Ion Mobility Tandem Mass Spectrometry, Journal of mass spectrometry, vo. 60, no 11, DOI: 10.1002/jms.5190, WOS:001591083600001, IF. 2

(c) Articole Q3 and Q4: 1

1. Biricioiu, Maria Roxana; Sarbu, Mirela; **Ica, Raluca**; Vukelic, Zeljka; Clemmer, David E.; Zamfir, Alina D., Advanced profiling and structural analysis of anencephaly gangliosides by ion mobility tandem mass spectrometry, BIOCHIMIE, vol 232, DOI: 10.1016/j.biochi.2025.01.011, WOS:001466412500001, IF. 3

(d) Articole științifice publicate în volumele unor conferințe științifice internaționale cotate ISI (sau IEEE Proceedings) (11):

1. **Barna, Cornel**; Petcut, Flavius-Maxim; **Petcut-Lasc, Anca-Adriana**, Similarity Measurement of Uncertainty in artificial neural networks classification, 2025 IEEE 19TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS, SACI, DOI: 10.1109/SACI66288.2025.11030144, WOS:001539876700055
2. **Lasc, Anca Adriana Petcut**; Balas, Valentina Emilia; Petcut, Flavius-Maxim; **Barna, Cornel**, Modelling and Identification of Two Genetic Algorithms used for Solar Cell Parameter, 2025 IEEE 29TH INTERNATIONAL CONFERENCE ON INTELLIGENT ENGINEERING SYSTEMS, INES, DOI: 10.1109/INES67149.2025.11078181, WOS:001554077100004
3. Marius Mircea Balas, Valentina Emilia Balas, Flavius-Maxim Petcut, **Cornel Barna**, Rajeeb Dey, Automation of the Two-Second Rule via Constant Time-to-Collision Curves, 2025 IEEE 29th International Conference on Intelligent

Engineering Systems (INES), DOI: 10.1109/INES67149.2025.11078218, WOS:001554077100026

4. **Anca Adriana Petcut Lasc**, Valentina Emilia Balas, Flavius-Maxim Petcut, Optimizing Control of Electric Power Production via Photovoltaic Panels: A Survey on Fuzzy Technology, Neural Networks, and Hybrid Systems, 2025 11th International Conference on Electrical Energy Systems (ICEES), DOI: 10.1109/ICEES67011.2025.11213153
5. **Anca Adriana Petcut Lasc**, Valentina Emilia Balas, Flavius-Maxim Petcut, Real-Time Performance Evaluation of a MATLAB/Simulink-Based Residential PV System, 2025 International Conference on Circuit, Systems and Communication (ICCSC), DOI: 10.1109/ICCSC66714.2025.11135320
6. **Anca Adriana Petcut Lasc**, Valentina Emilia Balas, Flavius-Maxim Petcut, Performance Trends and Efficiency Limits of Photovoltaic Modules: An Analysis Based on NREL Champion Data, 2025 IEEE 25th International Symposium on Computational Intelligence and Informatics (CINTI), DOI: 10.1109/CINTI67731.2025.11311722
7. **Anca-Adriana Petcuț-Lasc**, Valentina-Emilia Bălaș, Flavius-Maxim Petcuț, Raul Rotar, Daniel Alexuță, Performance Evaluation of a Residential Photovoltaic System in Matlab Simulink, 2025 IEEE 23rd World Symposium on Applied Machine Intelligence and Informatics (SAMI), DOI: 10.1109/SAMI63904.2025.10883312
8. **Anca-Adriana Petcut-Lasc**, Valentina Emilia Balas, Flavius-Maxim Petcut, A Survey of MPPT Techniques Under Partial Shading Conditions: Evaluating the Firefly Algorithm's Performance, 2025 18th International Conference on Engineering of Modern Electric Systems (EMES), DOI: 10.1109/EMES65692.2025.11045613
9. **Anca-Adriana Petcut-Lasc**, Flavius-Maxim Petcut, MPPT Strategies for PV Systems Under Partial Shading: A Survey with Emphasis on the Artificial Bee Colony Algorithm, 2025 25th International Conference on Control Systems and Computer Science (CSCS), DOI: 10.1109/CSCS66924.2025.00023

10. Mohammad Rowshan, **Vlad-Florin Drăgoi**, Towards Weight Distribution-Aware Polar Codes, 2025 IEEE International Symposium on Information Theory (ISIT), DOI: 10.1109/ISIT63088.2025.11195275
 11. **Vlad-Florin Drăgoi**, Mohammad Rowshan, On Partial Weight Distribution of Polar Codes, 2025 IEEE International Symposium on Information Theory (ISIT), DOI: 10.1109/ISIT63088.2025.11195548
- (e) Articole științifice publicate în volumele unor conferințe științifice internaționale cu ISBN / ISSN (9):**
1. Michaël Bulois, Pierre-Louis Cayrel, **Vlad-Florin Drăgoi** and Vincent Grosso, Algebraic Key-Recovery Side-Channel Attack on Classic McEliece, Selected Areas in Cryptography (SAC), August 11–15, 2025 Toronto, Ontario, DOI: 10.1007/978-3-032-10536-3_20
 2. Brice Colombier, **Vlad-Florin Dragoi**, Pierre-Louis Cayrel, Vincent Grosso, Message-recovery Horizontal Correlation Attack on Classic McEliece, Constructive Approaches for Security Analysis and Design of Embedded Systems. CASCADE 2025, DOI: 10.1007/978-3-032-01405-4_4
 3. **Vlad-Florin Dragoi**, Brice Colombier, Nicolas Vallet, Pierre-Louis Cayrel, Vincent Grosso, Full Key-Recovery Cubic-Time Template Attack on Classic McEliece Decapsulation, IACR Workshop on Cryptographic Hardware and Embedded Systems, CHES 2025, DOI: 10.46586/tches.v2025.i1.367-391
 4. **A.M. Gabor**, A.L. Naaji, M.A. Gaspar (2024) DEVELOPMENT OF SPECIFIC ONTOLOGIES FOR MOOCS, ICERI2024 Proceedings, pp. 7085-7091.
 5. Cecil, Roy R.; Miranda, João L.; **Nagy, Mariana**; Da Silveira, Marcos; Zanin, Massimiliano, Advanced Methodologies and Technologies for Innovative Information Systems, 2024 IEEE International Conference on Bioinformatics and Biomedicine (BIBM), IEEE, DOI: 10.1109/BIBM62325.2024.10822796
 6. **Stoica Codruta**, Approaching the difference equations by means of I asymptotic behaviours, AIP Cont. Proc. 3315, 400019, DOI: 10.1063/5.0286101
 7. **Stoica Codruta**, Approaching the Difference Equations by Means of Flows: An Overview, ATINER's Conference Paper Series, No: MAT2025/1815024, ISBN: 978-960-598-708-4 / 2025

8. **Stoica Codruta**, Beyond Statistics: Comprehending Gender Parity and Gender Equality, ATINER's Conference Paper Series, No: SOSGEN2025/2050015, ISBN: 978-960-598-730-5 / 2025
9. **Cătălin Raul Halic, Marcela Florea, Dominic Bucerzan and Crina Anina Bejan**, ETHICS OF ARTIFICIAL INTELLIGENCE IN BUSINESS: CHALLENGES, APPLICATIONS AND PATHWAYS FOR RESPONSIBLE INNOVATION, *The 24th International Conference on Informatics in Economy (IE 2025)*, 15-05-2025, <https://www.conferenceie.ase.ro/>

2. Articole publicate în reviste indexate BDI de către cadrele didactice/de cercetare (5):

1. N Vallet, PL Cayrel, B Colombier, **VF Drăgoi**, V Grosso, Optimizing key recovery in Classic McEliece: Advanced error correction for noisy side-channel measurements, *IACR Communications in Cryptology*, 2025, vol 2, no2, DOI: 10.62056/ahmpgy17s
2. Camelia Daciana STOIAN, **Dominic BUCERZAN**, Radu Nicolae STOIAN, **Catalin Raul HALIC**, **Crina Anina BEJAN**, ARTIFICIAL INTELLIGENCE ACT AND GDPR: IMPLICATIONS FOR AI SOLUTION DEVELOPERS AND USERS IN ROMANIA, Devetzis, Dimitrios, Dana Volosevici & Leonidas Sotiropoulos (eds.), *Digital Lawscapes: Artificial Intelligence, Cybersecurity and the New European Order*, ADJURIS – International Academic Publisher, Bucharest, Paris, Calgary, 2025, p. 162-177.
3. **Beniamin Bogosel**, Sendov's Conjecture and the Geometry of Cubic Polynomials, *Theory and Applications of Mathematics and Computer Science*, vol. 10, no.1, 2025, <https://www.uav.ro/jour/index.php/tamcs/article/view/2538>
4. **Lorena Popa, Sorin Nădăban, Lavinia Sida, Dan Deac**, Expected Value of a Picture Fuzzy Number, *Theory and Applications of Mathematics and Computer Science*, vol. 10, no.1, 2025, <https://www.uav.ro/jour/index.php/tamcs/article/view/2542>

5. **Claudia Mihit, Ghiocel Mot**, Nonuniform Generalized Exponential Dichotomies Concepts for Skew-evolution Semiflows, Theory and Applications of Mathematics and Computer Science, vol. 10, no.1, 2025, <https://uav.ro/jour/index.php/tamcs/article/view/2540>

3. **Articole publicate în reviste recunoscute CNCS:**
4. **Cărți publicate la edituri internaționale:**
5. **Cărți de specialitate publicate în țară la edituri recunoscute CNCS (conform ultimei evaluări CNCS):**
6. **Capitole de cărți publicate la edituri din străinătate:**
7. **Capitole de cărți publicate la edituri naționale recunoscute CNCS:**
8. (a) **Proiecte câștigate în competiții internaționale:**
 (b) **Proiecte depuse în competiții internaționale și menționarea statusului acestora:**

Numar	Titlu proiect	Director	Membrii	Link website
COST Action – Open Call _ No. 28429	Integration of Patients Safety and Health Emergencies – Flexible Multilevel Medical Supplies	Institute: Politehnica Portalegre		In evaluare, depus in oct. 2025

9. (a) **Proiecte câștigate în competiții naționale:**

Numar	Titlu proiect	Director	Membrii (facultate)	Link website
PN-IV-P2-2.2-MCD-2025-0506	Mobilitate cercetatori cu experienta din diaspora	Vlad-Florin Dragoi	Vlad-Florin Dragoi, Vlad Stefan Barbu	
PN-IV-P10-SS-SC-2024-0128	Explorarea lumii prin Steam pentru un viitor sustenabil	Dana Copolovici	Vlad-Florin Dragoi, Claudia Mihit, Codruta Stoica, Mariana Nagy,	https://elsteamsust.uav.ro/

			Valeriu Beiu, Ghiocel Mot, Lavinia Sida	
Contract Nr. 2172/03.06.2 025	Evaluarea, modelarea si simularea unor metode avansate de soft computing in domeniul producerii de current electric cu ajutorul panourilor fotovoltaice	Petcut Flavius- Maxim	Nagy Mariana, Barna Cornel, Petcut-Lasc Anca Adriana	
PNRR/2024/ C15/I18	LIDER - Leadership inovator pentru dezvoltarea educației responsabile COD : ID 11	Toderici Ovidiu-Florin	Petcut-Lasc Anca Adriana	

(b) Proiecte depuse în competiții naționale și menționarea status-ului acestora:

Numar	Titlu proiect	Director	Membrii	Link website
PN-IV-P8- 8.3-PM-RO- FR-2025-0137	Securitatea Practica a Criptosistemelor Post- Cuantice bazate pe Coduri Corectoare de Erori	Vlad-Florin Dragoi	Vlad-Florin Dragoi, Pierre-Louis CAYREL, Omar Choudary, Beniamin Bogospel, etc.	In evaluare

10. Lista brevetelor:

11. Lista lucrărilor cu statut de proprietate intelectuală:

12. (a) Lista manifestărilor științifice, a evenimentelor specific artelor vizuale și a competițiilor sportive internaționale:

i) Comitet de organizare:

Vlad-Florin Dragoi: Rolul Inteligenței Artificiale în Procesele Științifice și Educaționale – Perspective pentru Viitor, Universitatea Aurel Vlaicu din Arad, 20 noiembrie 2025, UAV. <https://www.uav.ro/stiri/rolul-inteligen%C8%9Bei-artificiale-%C3%AEn-educa%C8%9Bie>

Stoica Codruta: 19th Annual International Conference on Mathematics: Teaching, Theory & Applications, Atena, Grecia, 2025, <https://www.atiner.gr/mathematics>

Stoica Codruta: Microsymposium “Gender Equality in the Social and Business Global World” within the 12th Annual International Conference on Social Sciences, Atena, Grecia, 2025, <https://www.atiner.gr/sosgen>

ii) Comitet stiintific/program:

Valeriu Beiu:

- (a) IEEE International Midwest Symposium on Circuits and Systems, Lansing, Michigan, USA, <https://www.mwscas2025.org/>
- (b) International Online Conference on Mathematics and Applications, online, 2025.

Vlad-Florin Dragoi:

- (a) International Conference on Security for Information Technology and Communications, 2025 , <https://secitc.eu/>

Sorin Nadaban:

- (a) ICMA 2025 The 16th International Conference on Mathematics and its Applications, 2025. <https://icma.upt.ro/>

Anca Petcut-Lasc:

- (a) International Conference on Circuit, Systems and Communication (ICCSC) 2025. <https://2025.iccsc.info/index.html>

Stoica Codruta:

- (a) 19th Annual International Conference on Mathematics: Teaching, Theory & Applications, Atena, Grecia, 2025, <https://www.atiner.gr/mathematics>

- (b) Stoica Codruta: Microsymposium “Gender Equality in the Social and Business Global World” within the 12th Annual International Conference on Social Sciences, Atena, Grecia, 2025, <https://www.atiner.gr/sosgen>

Comitetul de organizare si stiintific:

Facultatea de Stiinte Exacte:

- (a) StudMath-IT, 17-19 noiembrie 2025, UAV Arad, România, <https://studmathit-uav.ro/>

(b) Lista manifestărilor științifice, a evenimentelor specific artelor vizuale si a competițiilor sportive naționale:

i) Comitetul stiintific/program/organizare

- (a) Concursul de Matematica si Informatica “Caius Iacob“, mai 2025, UAV, Arad, România – organizat de Facultatea de Stiinte Exacte.

13. Activități științifice de diseminare a cercetărilor realizate cu studenți ai

Facultății:

1. Vlad-Florin Dragoi, Dan Deac, Beniamin Bogosel, **Mark Kovacs** (An 3 Informatica): Noaptea Cercetătorilor UAV 2025.
2. Miklo Elisabeta Terezia, Bogdan Andrei Claudiu (Informatica lb. Engleza): Membrii FameLab AI, in cadrul proiectului Stiinta in Scolii.
3. **StudMathIT2025:**

Cadre didactice	Studenti	Total studenti
Dragoi Vlad	Adrian Boros, Cosmin Strugariu	2
Codruta Stoica	Balea Cristina-Bianca, Bodo Andrea-Eva, Cuțaru Alexia, Stanciu Rareș-Nicolae	4
Lavinia Sida		
Lorena Popa	Anamaria Velciov, Emanuela Ihnatiuc, Larisa Petrișor, Andrei Stoian, Ștefan Cismaș, Adrian Jiva, Paul Tonța, Cristina Balea	8
Crina Anina Bejan	Mișcoi George Ioan, Lucan Eric Lucas	2

Sorin Nadaban	Paul-Andrei Sabou, Galea Alexandru, Natalia Iordache, Chicoș Ada-Maria, Larisa – Alexandra Halic	5
Mihaela Craciun	Alexandru Galea, Letitia Ilea	2
Anca Petcut-Lasc	Roland-Norbert Kirch	1
Terei Carmen	Suciu Razvan	1

4. Concursul International de Matematica si Informatica Caius Iacob 2025 –

Programare:

Cadre didactice	Studenti	Total studenti
Codruta Stoica	Cuțaru Alexia, Stanciu Rares-Nicolae, Galea Alexandru	3

14. Acțiuni comune cu Consiliul Județean Arad și Consiliul Municipal Arad:

15. Școli de vară, evenimente cultural –artistice, acțiuni civice:

16. Premii ale Academiei Române, AGIR, ASAS, AOSR, Academii de ramură:

17. (a) Premii și distincții internaționale:

Valeriu Beiu, top 2% researchers by Elsevier:

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/8>

Anca-Adriana Petcut-Lasc, Best Paper Award, Internationala IEEE International Symposium on Computational Intelligence and Informatics, 2025. <https://conf.uni-obuda.hu/cinti2025/>

(b) Premii și distincții naționale

Valeriu Beiu, Premiul „Caius Iacob” Gala elitelor Aradene 2025.

Anca-Adriana Petcut-Lasc, Premiul 1, Secțiunea doctoranzi, Simpozionului International "Brainstorming in Agora Cercurilor Studentesti", 2025.

18. (a) Editor șef / Editor / Editor invitat / Membru în colectivele de redacție sau editoriale internaționale – reviste ISI:

Nume Prenume	Editor/Membru	Editura/Revista	Link/extra info
Valeriu Beiu	Editor	Mathematics	https://www.mdpi.com/journal/mathematics/editors

Valeriu Beiu	Editor	Frontiers in Neuroscience	https://www.frontiersin.org/journals/neuroscience/editors
Codruta Stoica	Membru	Mathematics	https://www.mdpi.com/journal/mathematics/editors
Codruta Stoica	Guest Editor	Mathematics	https://www.mdpi.com/journal/mathematics/special_issues/50D1H8L96T

(b) Editor șef / Editor / Editor invitat / Membru în colectivul de redacție – reviste

BDI:

Nume Prenume	Editor/Membru	Editura/Revista	Link/extra info
Valeriu Beiu	Editor	Romanian Journal of Mathematics and Computer Science	https://rjm-cs.utcb.ro/editorial-board/
Sorin Nadaban	Editor șef	Theory and Applications of Mathematics & Computer Science	https://www.uav.ro/jour/index.php/tamcs
Codruta Stoica	Membru	Theory and Applications of Mathematics & Computer Science	https://www.uav.ro/jour/index.php/tamcs
Codruta Stoica	Membru	Athens Journal of Sciences	https://www.athensjournals.gr/ajs

Volumul Concursul Internațional de Matematică și Informatică „Caius Iacob”, Editura Gutenberg Univers, Arad – 2025 ISBN 978-606-675-423-1

Editori: Sorin Nadaban, Codruta Simona Stoica, Mariana Nagy, Lorena Popa

Referenți științifici: Vlad-Florin Dragoi, Lavinia Sida

Volumul BOOK OF ABSTRACTS - International Students Conference StudMath-IT 2025

Editors: Mariana NAGY, Andrei Marius GABOR, Codruța Simona STOICA, Anca Adriana PETCUȚ-LASC

Scientific Advisors: Valeriu BEIU, Sorin NĂDĂBAN

19. (a) Citări pana in anul 2025

Nume Prenume	WOS cu autocitari / WOS fara autocitari	Scopus	Google Scholar
Barna Cornel	217/195	660	326
Beiu Valeriu	1080/719	1546	3186
Bejan Crina Anina	53/42	74	183
Bogosel Benjamin	304/261	334	610
Bucerzan Dominic	75/60	126	277
Craciun Mihaela	38/36	36	89
Deac Dan Stelian	9/9	10	27
Dragoi Vlad-Florin	260/181	407	723
Gabor Andrei	93/88	143	260
Gaspar Pastorel	35/23	71	133
Ica Sabina-Raluca	108/63	120	161
Mihit Claudia	14/14	29	86
Mot Ghiocel	81/81	94	184
Nadaban Sorin	533/493	724	1186
Nagy Mariana	56/50	54	159
Palcu Adrian			
Popa Lorena	13/12	23	40
Sida Lavinia	8/8	11	20
Stoica Codruta	93/59	95	389
Luputi Antonio	19/15	37	48
Anca Petcut Lasc	2/1	7	13
Radulescu Dan Andrei	-	-	-
Florea Marcela	-	-	-
Halic Catalin	-	-	-
Terei Carmen	-	-	-

Citari exclusiv pentru anul 2025

Table 1

Nume Prenume	WOS	WOS fara autocitari	Scopus	Google Scholar
Barna Cornel	10	10	NA	22
Beiu Valeriu	43	37	49	80
Bejan Crina Anina	4	0	4	6
Bogosel Beniamin	58	NA	NA	118
Bucerzan Dominic	7	5	9	5
Craciun Mihaela	25	23	7	10
Deac Dan Stelian	2	2	4	5
Dragoi Vlad-Florin	54	46	84	102
Gabor Andrei	20	20	40	67
Gaspar Pastorel	3	0	5	5
Ica Sabina-Raluca				
Mihit Claudia	4	4	7	14
Mot Ghiocel	5	5	3	8
Nadaban Sorin	72	72	108	241
Nagy Mariana	10	8	8	26
Palcu Adrian				
Popa Lorena	5	5	7	14
Sida Lavinia	1	1	0	6
Stoica Codruta	4	4	9	23
Luputi Antonio	19	15	37	48
Anca Petcut Lasc	2	1	7	13
Radulescu Dan Andrei	-		-	-
Florea Marcela	-		-	-
Halic Catalin	-		-	-
Terei Carmen	-		-	-

(b) Indicele Hirsch pentru anul 2025

Nume Prenume	WOS	Scopus	Google Scholar
Barna Cornel	9	15	9
Beiu Valeriu	15	18	27
Bejan Crina	5	5	8
Bogosel Benjamin	10	10	15
Bucerzan Dominic	6	6	11
Craciun Mihaela	4	4	6
Deac Dan Stelian	2	1	2
Dragoi Vlad-Florin	7	9	14
Gabor Andrei	3	3	4
Gaspar Pastorel	5	5	7
Ica Sabina-Raluca	7	8	9
Mihit Claudia	3	4	6
Mot Ghiocel	3	3	6
Nadaban Sorin	10	11	13
Nagy Mariana	3	3	7
Palcu Adrian			
Popa Lorena	2	4	5
Sida Lavinia	2	2	2
Stoica Codruta Simona	4	5	10
Luputi Antonio	3	4	5
Anca Petcut Lasc	-	2	3
Radulescu Dan Andrei	-	-	-
Florea Marcela	-	-	-
Halic Catalin	-	-	-
Terei Carmen	-	-	-

20. Comunicări științifice prezentate la congrese/conferințe:

(a) Lista lucrărilor prezentate la manifestări științifice internaționale:

1. **Crina Anina Bejan**, ARTIFICIAL INTELLIGENCE ACT AND GDPR: IMPLICATIONS FOR AI SOLUTION DEVELOPERS AND USERS IN ROMANIA, *THE INTERNATIONAL CONFERENCE ON FINTECH, CYBERSPACE AND ARTIFICIAL INTELLIGENCE LAW*, 28-03-2025, <https://www.adjuris.ro/fintech/Arhiva/2025/index.html>
2. **Crina Anina Bejan**, ETHICS OF ARTIFICIAL INTELLIGENCE IN BUSINESS: CHALLENGES, APPLICATIONS AND PATHWAYS FOR RESPONSIBLE INNOVATION, *The 24th International Conference on Informatics in Economy (IE 2025)*, 15-05-2025, <https://www.conferenceie.ase.ro/>
3. **Beniamin Bogosel**, Optimizarea formelor sub constrangeri de diametru: rezultate noi si probleme deschise, *Rencontre ANR Stoiques*, 13-11-2025, <https://samm.pantheonsorbonne.fr/evenements/rencontre-anr-stoiques>
4. **Dragoi Vlad-Florin**, Message-Recovery Horizontal Correlation Attack on Classic McEliece, *International Conference on Constructive Approaches for Security Analysis and Design of Embedded Systems*, 31-03-2025, <https://cascade-conference.org/Archives/2025/index.html>
5. **Dragoi Vlad-Florin**, Algebraic Key-Recovery Side-Channel Attack on Classic McEliece, *International Conference on Selected Areas in Cryptography*, <https://sacworkshop.org/SAC25/>
6. Mohammad Rowshan, **Vlad-Florin Drăgoi**, Towards Weight Distribution-Aware Polar Codes, 2025 IEEE International Symposium on Information Theory (ISIT), DOI: 10.1109/ISIT63088.2025.11195275
7. **Vlad-Florin Drăgoi**, Mohammad Rowshan, On Partial Weight Distribution of Polar Codes, 2025 IEEE International Symposium on Information Theory (ISIT), DOI: 10.1109/ISIT63088.2025.11195548
8. **Ica Raluca**, Mass spectrometry-based insights into human brain ganglioside dynamics in health and neurological disorders, *31th International Symposium on Analytical and Environmental Problems*, <https://www2.sci.u-szeged.hu/isaep/>

9. **Ica Raluca**, Mass spectrometry of human brain gangliosides in health and disease, *International Scientific Research Congress, 22-23 Februarie 2025, Istanbul, Turcia*, <https://www.isracademy.org/>
10. **Sorin Nadaban**, Fuzzy normed linear spaces: A general view, *ICMA 2025 The 16th International Conference on Mathematics and its Applications*, <https://icma.upt.ro/>
11. **Anca Petcut-Lasc**, Edge-AI-driven photovoltaic energy optimization systems for renewable network infrastructure, *The 25th International Conference on Next Generation Wired/Wireless Networks and Systems (NEW2AN 2025)*, <https://www.new2an.com/home>
12. **Anca Petcut-Lasc**, A survey on fuzzy technology, neural networks, and hybrid systems, *2025 IEEE 11th International Conference on Electrical Energy Systems (ICEES 2025)*, <https://www.icees2025.in/>
13. **Anca Petcut-Lasc**, Performance Evaluation of a Residential Photovoltaic System in Matlab Simulink, *International Symposium on Applied Machine Intelligence and Informatics (SAMI)*, <https://conf.uni-obuda.hu/sami2025/>
14. **Anca Petcut-Lasc**, A survey of MPPT techniques under partial shading conditions: Evaluating the Firefly algorithm's performance, *18th International Conference on Engineering of Modern Electric Systems (EMES)*, <https://www.icemes.uoradea.ro/icemes2025/index.html>
15. **Anca Petcut-Lasc**, MPPT Strategies for PV Systems Under Partial Shading: A Survey with Emphasis on the Artificial Bee Colony Algorithm, *2025 25th International Conference on Control Systems and Computer Science (CSCS)*, <https://25.cscs-conference.com/>
16. **Anca Petcut-Lasc**, Similarity Measurement of Uncertainty in Artificial Neural Networks Classification, *IEEE 19th International Symposium on Applied Computational Intelligence and Informatics (SACI 2025)*, <https://conf.uni-obuda.hu/saci2025/>
17. **Anca Petcut-Lasc**, IEEE 29th International Conference on Intelligent Engineering Systems 2025 (INES 2025) Computational Intelligence in Engineering: Machine Learning, Genetic Algorithms, Neural Nets, Fuzzy Systems,

Fuzzy and Neuro-fuzzy Control Modelling and identification of two genetic algorithms used for solar cell parameter 2025-06-11 <http://www.ines-conf.org/ines-conf/2025index.html>

18. **Anca Petcut-Lasc**, Comparative Analysis of Residential Photovoltaic Systems: Impact of Shading and Orientation on Energy Production, *XV International conference on Industrial Engineering and Environment Protection (IIZS2025)* <https://www.tfzr.uns.ac.rs/iizs/topics.php>
19. **Anca Petcut-Lasc**, Importanța poziționării corecte a panourilor fotovoltaice, *BACStud ENGINEERING INNOVATION CONTEST & EXPO (BACStud 2025)* <https://www.univagora.ro/conferinte/bacstud/bacstud-2025/>
20. **Anca Petcut-Lasc**, Performance trends and efficiency limits of photovoltaic modules: An analysis based on NREL champion data, *IEEE 25th International Symposium on Computational Intelligence and Informatics (CINTI 2025)*, <https://conf.uni-obuda.hu/cinti2025/>
21. **Dan Andrei Radulescu**, TOWARDS AN EARLY WARNING SYSTEM FOR HIGHER EDUCATION: AUTOMATED RISK AND PERFORMANCE INDICATORS WITH EXPLAINABLE AI, *INTERNATIONAL CONFERENCE ON “ONGOING SOCIAL, ECONOMIC, AND ENVIRONMENTAL CHALLENGES”, 2025*, <https://www.uav.ro/academic/cercetare-stiintifica/apeluri-conferin%C8%9Be/oseec2025>
22. **Stoica Codruta**, Approaching the Difference Equations by Means of Flows: An Overview, *The 19th International Conference on Mathematics & Statistics: Teaching, Theory & Applications-Athens Institute, 2025*, <https://www.atiner.gr/2025mat-pro>
23. **Stoica Codruta**, Beyond Statistics: Comprehending Gender Parity and Gender Equality, *The 12th Annual International Conference on Social Sciences, 2025*, <https://www.atiner.gr/2025sos-pro>
24. **Stoica Codruta**, On the Algebraic Stability of Dynamical Cocycles, *The 23rd International Conference of Numerical Analysis and Applied Mathematics, 2025*, https://history.icnaam.org/icnaam_2025/icnaam.org/index.html

25. Camelia Daciana STOIAN, Dominic BUCERZAN, Radu Nicolae STOIAN, Catalin Raul HALIC, Crina Anina BEJAN, ARTIFICIAL INTELLIGENCE ACT AND GDPR: IMPLICATIONS FOR AI SOLUTION DEVELOPERS AND USERS IN ROMANIA, Devetzis, Dimitrios, Dana Volosevici & Leonidas Sotiropoulos (eds.), Digital Lawscapes: Artificial Intelligence, Cybersecurity and the New European Order, ADJURIS – International Academic Publisher, Bucharest, Paris, Calgary, 2025, p. 162-177
<https://adjuris.ro/fintech/Arhiva/2025/program.html>

(b) Lista manifestărilor științifice naționale:

1. Benjamin Bogosel, Optimization of space-time periodic eigenvalues, *Numerical Analysis, Numerical Modeling, Approximation Theory*, 04-11-2025, <https://ictp.acad.ro/nanmat/nanmat-2025/>

21. Invited researcher/professor

1. Vlad-Florin Dragoi: Université Jean-Monnet, Saint-Etienne, France
2. Benjamin Bogosel: Université Savoie Mont Blanc, Chambéry, France
3. Pastorel Gaspar: Hochschule Konstanz University of Applied Sciences, Konstanz, Germany

Tabelul 1. Sumarizarea activităților de cercetare științifică, creație artistică și performanță sportivă ale cadrelor didactice/de cercetare din Facultatea de Științe Exacte pentru anul 2025.

Parametru raportat	Total (anul 2025)
ISI (WOS) Q1	10
ISI (WOS) Q2	3
ISI (WOS) Q3, Q4	1
Articole ISI Proceedings, IEEE Proceedings	11
Articole științifice publicate în volumele unor conferințe științifice internaționale cu ISBN / ISSN	9
Articole BDI	5
Cărți publicate la edituri internaționale	-
Cărți publicate la edituri naționale	-
Capitole de carte publicate la edituri internaționale	-
Capitole de carte publicate la edituri naționale	-
Lucrări prezentate la conferințe internaționale	25
Lucrări prezentate la conferințe naționale	1
Proiecte de cercetare internaționale derulate în UAV	-
Proiecte de cercetare internaționale depuse (1 COST Action)	1
Proiecte de cercetare naționale derulate în UAV	4
Proiecte de cercetare naționale depuse, în curs de evaluare	1
Brevete internaționale	-
Brevete naționale	-
Manifestări științifice internaționale: a) Comitet organizare	4
Manifestări științifice internaționale: a) Comitet științific	8
Manifestări științifice naționale	1
Premii și distincții internaționale	2
Premii și distincții naționale	2
Editor/membru colectivul de redacție reviste ISI	4
Editor/membru colectivul de redacție reviste BDI	4
Invited professor/researcher	3

Data: 14/02/2026

Întocmit,

Nume si prenume: Dragoi Vlad-Florin

Semnatura: