

UNIVERSITATEA SAPIENTIA DIN CLUJ NAPOCA

FACULTATEA DE ȘTIINȚE ECONOMICE, SOCIO-UMANE ȘI INGINEREȘTI, MIERCUREA CIUC

CENTRUL DE CERCETARE OECONOMICA

CRITERII DE EVALUARE (perioada 2023–2025)

1.	Criterii primare de performanță	nr.	Punctaj
1.1.	Lucrări științifice/tehnice publicate în reviste de specialitate cotate ISI		
	Număr de lucrări științifice .30	13	390
	Punctaj cumulativ ISI ¹ .5	29.8	149
	Număr de citări în reviste de specialitate cotate ISI ² .5	28	140
	<i>(Lista lucrărilor și citărilor, grupate pe ani, se atașează ca anexa. 1.1)</i>		
1.2.	Brevete de invenție³		
	Număr de brevete:30		
	Număr de citări de brevete în sistemul ISI .5		
	<i>(Lista brevetelor și citărilor, grupate pe ani, se atașează ca anexa nr. 1.2)</i>		
1.3.	Produce și tehnologii rezultate din activități de cercetare, bazate pe brevete, omologări sau inovații proprii. Studii prospective și tehnologice și servicii rezultate din activitatea de cercetare-dezvoltare, comandate de beneficiar <i>(Se indică procedura, firma care utilizează produsul, serviciul și tehnologia)</i>		
	Număr de produse, tehnologii, studii, servicii .20		
	<i>(Lista produselor, serviciilor și tehnologiilor, grupate pe ani, se atașează ca anexa 1.3)</i>		
1.4	Cărți (capitole de cărți) științifice la edituri internaționale .3 pe 50 pag.	2	15
	Total punctaj cap. 1		694

2.	Criterii secundare de performanță	nr.	Punctaj
2.1.	Lucrări științifice (tehnice) publicate în reviste de specialitate⁴ fără cotație ISI		
	Număr de lucrări .6	12	72
	Număr de citări .1 <i>(Lista lucrărilor și citărilor grupate pe ani se atașează ca anexa 2.1)</i>	4	4
2.2.	Lucrări științifice prezentate la conferințe internaționale cu comitet de program		
	Număr de comunicări prezentate .6 <i>(Lista comunicărilor grupate pe ani se atașează ca anexa 2.2)</i>	29	174
2.3.	Modele fizice, modele experimentale, modele funcționale, prototipuri, normative, proceduri, metodologii, reglementări și planuri tehnice noi		

¹ Punctajul ISI se obține prin însumarea factorilor de impact ai publicațiilor respective.

² Sunt excluse autocitățile.

³ Se specifică dacă brevetul este național/internațional (USPTO, EPO, JPO) și numărul brevetului.

⁴ În cazul revistelor românești, sunt luate în considerare cele cotate CNCS și revistele incluse în BDI (baze de date internaționale).

	sau perfecționate, realizate în cadrul programelor naționale sau comandate de beneficiar		
	Număr de modele, normative, proceduri etc. .5 (<i>Lista modelelor, normativelor etc., grupate pe ani, se atașează ca anexa 2.3</i>)		
2.4.	Lucrări științifice (tehnice) publicate în alte reviste științifice		
	Număr de lucrări .2 (<i>Lista lucrărilor grupate pe ani se atașează ca anexa 2.4</i>)	3	6
2.5	Cărți (capitole de cărți) științifice sau traduceri de specialitate (pt. domeniul traducere-interpretare) .1 pe 50 pag.	2	8
2.6	Editare cărți .1		
	Total punctaj cap. 2		264

3.	Prestigiul profesional	nr.	punctaj
3.1.	Membri (incluzând statutul de recenzor) în colectivele de redacție ale unor reviste (cotate ISI sau incluse în baze de date internaționale) sau în colective editoriale ale unor edituri internaționale recunoscute		
	Număr de prezențe în perioada pentru care se face evaluarea: .20 (<i>Nr. crt. Nume Titlul revistei/editurii anexa 3.1</i>)	9	180
3.2.	Membri în colectivele de redacție ale revistelor recunoscute național (din categoria CNCS sau inclus în BDI)		
	Număr de prezențe în perioada pentru care se face evaluarea: .10 (<i>Nr. crt. Nume Titlul revistei/editurii anexa 3.2</i>)		
3.3.	Premii internaționale obținute printr-un proces de selecție		
	Număr de premii: .20 (<i>Nr. crt. Nume Premiul Anul anexa 3.3</i>)		
3.4.	Premii naționale ale Academiei Române		
	Număr de premii: .20 (<i>Nr. crt. Nume Premiul Anul anexa 3.3</i>)		
3.5	Conducători de doctorat, membri ai unității de cercetare		
	Număr de conducători de doctorat: .10 (<i>Nr. crt. Nume anexa 3.5</i>)	1	10
3.6.	Număr de doctori în știință, membri ai unității de cercetare		
	Număr de doctori în știință: .10 (<i>Nr. crt. Nume anexa 3.6</i>)	33	330
	Total punctaj cap. 3		520
	TOTAL PUNCTAJ OBȚINUT (cap. 1 + cap. 2 + cap. 3)		1478

Creația științifică:

Film la festival internațional — criteriu primar

Film la festival național — criteriu secundar

Anexa 1.1 Lista lucrărilor și citărilor în reviste de specialitate cotate ISI

2025

Madaras, S., Sándor, Z. (2025), A Reassessment of Likelihood Approximation by Integration on Sparse Grids. *Journal of Applied Econometrics*, 40:237–245. DOI <https://doi.org/10.1002/jae.3108> (ISI Impact Factor: 3.1)

Lőrincz A., Makó Z. (2025), Dynamic Optimisation of Public Pension Systems, *Acta Universitatis Sapientiae, Informatica*, DOI: 10.1007/s44427-025-00014-3 (ISI Impact Factor: 0.3)

Nagy, B., Gergely, N., Székely, E.: Study on hotel infrastructure accessibility in Romania. *Acta Turistica*, 37, 9. 2025, <https://doi.org/10.22598/at/2023.37.SI.9> (ISI Impact Factor: 0.4)

2024

Sándor, Z., Szócs, A. & Wildenbeest, M.R. (2024), The impact of brand equity on profit premium in an equilibrium framework. *Marketing Letters* **35**, 423–438. DOI <https://doi.org/10.1007/s11002-024-09727-5> (ISI Impact Factor: 2.5)

Citări (1):

Laadi, S; Seraa, T; (...); Almaiah, MA, Crafting Robust Brands for Premium Pricing: Understanding the Synergy of Brand Strength, Loyalty, and Attachment, Oct 30 2024, HUMAN BEHAVIOR AND EMERGING TECHNOLOGIES

Csata, Z., Péti, M., Compton, B., Liu, A. H., & **Sándor, Z.** (2024). The income effects of minority co-ethnic employment: the case of Hungarians in central and Eastern Europe. *Journal of Ethnic and Migration Studies*, 50(16), 4192–4214. DOI: 10.1080/1369183X.2023.2290447 (ISI Impact Factor: 2.8)

Oltean, F. D., Curta, P. A., **Nagy, B.**, Huseyn, A., & Gabor, M. R. (2025). Changes in Tourists' Perceptions of Community-Based Ecotourism (CBET) After COVID-19 Pandemic: A Study on the Country of Origin and Economic Development Level. *ISPRS International Journal of Geo-Information*, 14(4), 146. <https://doi.org/10.3390/ijgi14040146> (ISI Impact Factor: 2.8)

Varga, József ; Sipiczki, Zoltán: The inflation situation in Hungary Response to Katalin Botos "Inflation and our finances" and István Ábel - Gergely Bognár - Máté Lóga - Attila István Szabó "Changes in the explanation of inflation" PÉNZÜGYI SZEMLE/PUBLIC FINANCE QUARTERLY, 70 : 3 pp. 87-100. , 14 p. (2024) (ISI Impact Factor: 0.5)

Csernoch, M., Hannusch, C., **Biró, P.** (2024). Modification of Erroneous and Correct Digital Texts. *Entropy*. 26 (12), 1-21, <https://doi.org/10.3390/e26121015>. (Q2, ISI Impact Factor: 2.0)

2023

Pál L., Sándor, Z. (2023), Comparing procedures for estimating random coefficient logit demand models with a special focus on obtaining global optima, *International Journal of Industrial Organization*. Volume 88 (May), 102950. (ISI Impact Factor: 1.4)

Citări (1):

Liu, Y; Calastri, C and Dekker, T, Exploring the potential of computational graph-based gradients for choice modelling, Jun 2025 (Early Access), TRANSPORTATION PLANNING AND TECHNOLOGY

Moraga-González J. L., **Sándor, Z.**, Wildenbeest, M. R. (2023), Consumer Search and Prices in the Automobile Market, *Review of Economic Studies*. Volume 90(3), p.1394–1440. DOI 10.1093/restud/rdac047 (ISI Impact Factor: 6.4)

Citări (21):

1 Chen, L and Gao, HM, The paradox of search costs: exploring the nonlinear effects on e-commerce basket value, Oct 2025 (Early Access), ASIA PACIFIC JOURNAL OF MARKETING AND LOGISTICS

2 Osgouei, AJ; Ching, AT; (...); Tehrani, SS, Estimating Position and Social Influence Effects in Online Search, Aug 2025 (Early Access), MARKETING SCIENCE

3 Fan, Y; Fu, YQ and Yang, Z, Tour detour: Intermediaries' search diversion in rental markets Aug 2025, JOURNAL OF ECONOMIC BEHAVIOR & ORGANIZATION 236

4 Janssen, A and Thiel, J, Do search costs explain persistent investment in active mutual funds?, Jul 2025, JOURNAL OF ECONOMIC DYNAMICS & CONTROL 176

5 Turlo, S; Fina, M; (...); Otter, T, Discrete choice in marketing through the lens of rational inattention, Mar 2025, QME-QUANTITATIVE MARKETING AND ECONOMICS 23 (1) , pp.45-104

6 Narang, U; Shankar, V and Narayanan, S, Cross-Channel Effects of Failure in a Retailer's Mobile App, Oct 2025, JOURNAL OF MARKETING RESEARCH 62 (5) , pp.796-817

7 Mysliwski, M; Rostom, M; (...); Srisuma, S, Identification and estimation of a search model with heterogeneous consumers and firms, May 2025, JOURNAL OF ECONOMETRICS 249

8 Ursu, R; Seiler, S and Honka, E, The sequential search model: A framework for empirical research, Mar 2025, QME-QUANTITATIVE MARKETING AND ECONOMICS 23 (1) , pp.165-213

9 Armona, L; Lewis, G and Zervas, G, Learning Product Characteristics and Consumer Preferences from Search Data, Jul-aug 2025, MARKETING SCIENCE 44 (4) , pp.838-855

10 Hole, A; LeGower, M; (...); Nevo, A, Economics at the FTC: Non-Horizontal Mergers, the CARS Rule, and the Non-Compete Rule, Dec 2024, REVIEW OF INDUSTRIAL ORGANIZATION 65 (4) , pp.933-965

11 Natan, OR, Choice Frictions in Large Assortments, May-jun 2025, MARKETING SCIENCE 44 (3)

12 Gao, CR and Vásquez, J, Optimal policing with (and without) criminal search, Jun 2025 REVIEW OF ECONOMIC DESIGN 29 (2) , pp.213-244

13 Wu, XS; Lewis, MS and Wolak, FA, Search with learning in the retail gasoline market Jun 2024, RAND JOURNAL OF ECONOMICS 55 (2) , pp.292-323

14 Mihaela, R; Simonov, A and An, EKY, Online Advertising as Passive Search, Feb 2025 MANAGEMENT SCIENCE 71 (2)

15 Honka, E; Seiler, S and Ursu, R, Consumer search: What can we learn from pre-purchase data?, Mar 2024, JOURNAL OF RETAILING 100 (1) , pp.114-129

16 Gomes, R and Mantovani, A, Regulating Platform Fees under Price Parity, Mar 29 2024 JOURNAL OF THE EUROPEAN ECONOMIC ASSOCIATION 23 (1) , pp.190-235

17 Yao, YF, Dynamic Persuasion and Strategic Search, Oct 2024, MANAGEMENT SCIENCE 70 (10) , pp.6778-6803

18 Mohapatra, D; Mohapatra, DP and Dubey, RS, Price dispersion across online platforms: evidence from hotel room prices in London (UK), Nov 7 2024, APPLIED ECONOMICS 56 (52), pp.6598-6610

19 Xu, JY; Zhang, XB and Liu, Y, Asymmetric search behavior for gasoline prices: Evidence from the Chinese gasoline market, Jan 2024, INTERNATIONAL REVIEW OF ECONOMICS & FINANCE 89 , pp.699-712

20 Honka, E, Discussion of "Risk Preference Types, Limited Consideration, and Welfare" by Levon Barseghyan and Francesca Molinari, Oct 2 2023, JOURNAL OF BUSINESS & ECONOMIC STATISTICS 41 (4) , pp.1039-1041

21 Morozov, I, Measuring Benefits from New Products in Markets with Information Frictions Nov 2023, MANAGEMENT SCIENCE 69 (11) , pp.6988-7008

Nagy, B., Gabor, M. R., Bacoş, I. B., Kabil, M., Zhu, K., & Dávid, L. D.: Google and Apple mobility data as predictors for European tourism during the COVID-19 pandemic: A neural network approach. *Equilibrium. Quarterly Journal of Economics and Economic Policy*, 18(2), 419–459. 2023. DOI: 10.24136/eq.2023.013 (ISI Impact Factor: 6.2)

Citări (1):

Lin, BB; Dai, YM; (...); Ning, N. Modeling the impacts of governmental and human responses on COVID-19 spread using statistical machine learning, Dec 31 2024 INTERNATIONAL JOURNAL OF DIGITAL EARTH 17(1)

Sipiczki, Zoltán ; **Parádi Dolgos, Anett ; Varga, József:** Analysis of the inflationary redistribution of consumption and wealth, evidence from Hungary. *ACTA OECONOMICA* 73 : 1 pp. 129-143. , 15 p. (2023) (ISI Impact Factor: 0.7)

Boros, Z., **Garda-Mátyás, E.,** (2023), Quadratic functions fulfilling an additional condition along the hyperbola $x y = 1$, *Aequationes mathematicae*, Volume 97, p.1141–1155, <https://doi.org/10.1007/s00010-023-01018-0> (ISI Impact Factor: 0.7)

Citări (4):

1 Sadegh Izadi, Sedigheh Jahedi, Mehdi Dehghanian, Conditional Equations Related to Drygas Functional Equation, Oct. 2025, *Annales Mathematicae Silesianae*, DOI: 10.2478/amsil-2025-0015

2 Eszter Gselmann, Mehak Iqbal: A functional equation for monomial functions, May 2025, *Journal of Applied Analysis*, DOI: 10.1515/jaa-2025-0013

3 Mehdi Dehghanian, Sadegh Izadi, Sedigheh Jahedi: The solution of Drygas functional equations with additional conditions, *Acta Math. Hungar.*, Volume 174(2), 2024, 510-521, DOI: 10.1007/s10474-024-01488-x

4 Bruce Ebanks: A class of functional equations for additive functions, *Aequationes mathematicae*, 2024, DOI:10.1007/s00010-024-01105-w

Anexa 1.4 Cărți (capitole de cărți) științifice la edituri internaționale

2024

Bíborka Eszter Bíró. Monetary Policy. Romania: Social Acceptance. In: Zoltán Nagy (szerk.): Economic governance. The Impact of the European Union on the Regulation of Fiscal and Monetary Policy in Central European Countries, Miskolc, CEA Publishing, 2024, pp. 767–789.

The theory and practice of accessible tourism in Central Europe. Autor(i): Csapó, J.; Bálint, B.; Bálint, Gy.; Čavlek, N.; Csóka, L.; Gergely, N.; Gonda, T.; György, O.; Halik, L.; Kassay, J.; Krajnović, V.; **Nagy, B.**; Raffay, Z.; Siwek, M.; Sowa, P.; Zajadacz, A. (16 autori), Editura: University of Pécs, Faculty of Business and Economics, 2024. ISBN: 978-963-626-341-6, 231 pagini, Adresă web: <https://digitalia.lib.pte.hu/en/pub/csapo-the-the-and-pr-of-acc-tour-in-ce-pte-ktk-pte-2024-5931>

Anexa 2.1 Lista lucrărilor și citărilor în reviste BDI

2025

Varga, József ; Zoltán, Sipiczki ; Ágnes, Vaskövi ; Orsolya, Falus: Structural and Legal Diversity in Islamic Banking Systems Across Islamic Countries, *CONTEMPORARY READINGS IN LAW AND SOCIAL JUSTICE* 17 : 1 pp. 452-466. , 15 p. (2025)

Lőrincz Annamária (2025): FINANCIAL PERFORMANCE OF TOURISM COMPANIES IN ROMANIA, *ACTA CAROLUS ROBERTUS*, 15(1), 171-189. <https://doi.org/10.33032/acr.5938>

2024

Bíborka Eszter Bíró, Boróka Júlia Bíró:: An attempt for analysing the agricultural performance and potential in Romania on NUTS3 county level, *Észak-magyarországi Stratégiai Füzetek*, Vol.21, No 4, 2024, pp. 109–120

György Ottilia (2024): Cluster grouping of EU member states according to some economic performance and circular economic Indicators, *Vadyba Journal of Management*. 2024, № 1. ISSN 1648-7974.

Citări (4):

1 Clustering of countries based on waste reduction indicators, A Burinskiene, T Leonaviciene, O Lingaitiene - *Sustainable Futures*, 2025 - Elsevier

2 EU convergence: a pathway to economic stability, A Lungu, MD Roman, DM Stanculescu - *Eastern European Journal for ...*, 2024 - ceeol.com

3 Practical Explorations for Energy Transformation Ways, M Švažas - *Energy Transformation in Lithuania: Analysis at the ...*, 2025 - Springer

Dávid L.D., Cziraki G., Pataki L., Vasa L., Bringye B., **Nagy B.** (2024): The Natural Pattern-based Fuzzy Investment System. Autori: Vol. 3 No. 7 (2024). Journal of Ecohumanism. ISSN 2752-6798 (Print) | ISSN 2752-6801 (Online),
<https://doi.org/10.62754/joe.v3i7.4354>

E.K. **Péter**, L.**Illyés**, (2024), Today's Consumers on the Market in Csíkszereda (Miercurea Ciuc), Applied Studies in Agribusiness And Commerce (APSTRACT), Vol. 18, Nr. 2(2024), ISSN: Online: 1789-7874, Print: 1789-221X ,
<https://doi.org/10.19041/APSTRACT/2024/2/4>, DOAJ, Crossref, ideas, AgEcon

Elek S., **György O.**, **Illyés L.**, **Péter E.K.**, 2024 – Quo vadis székely kisgazdaság? In memoriam Alvincz József, https://doi.org/10.53079/GAZDALKODAS.68.1.t.pp_3-17, Revista Gazdálkodás, 2024.1., Agrárgazdasági Kutató Intézet, ISSN 0046-5518, pp 3-19

Biró, P., Kádek, T. (2024). Comparing Student Results on a Programming Task During a Contest and a Practice Situation with the Help of the ProgCont System. In: 2024 IEEE Global Engineering Education Conference (EDUCON) Proceedings, IEEE, Kos, 1-6, 2024, (ISSN 2165-9567) ISBN: 9798350394023, DOI: 10.1109/EDUCON60312.2024.10578829

Kádek, T., **Biró, P.** (2024). Next Generation of Assessment Evaluation System for IT Configuration Challenges. In: 2024 IEEE 3rd Conference on Information Technology and Data Science (CITDS) Proceedings, August 26–27, 2024. Debrecen, Hungary. pp. 102-106. ISBN: 979-8-3503-8788-9, DOI: 10.1109/CITDS62610.2024.10791350.

2023

György Ottilia and **Tóth József** (2023): Clusters of EU countries based on sustainable production and consumption indicators. STATISZTIKAI SZEMLE, 101 (2). pp. 173-196. ISSN 0039-0690. <https://doi.org/10.20311/stat2023.02.hu0173>

Nagy B. (2023): Fürdőélet és marketing Erdélyben a dualizmus korában (Viata balneara si marketing in Transylvania, in perioada dualismului, lb. maghiara). Tourism & Rural Development Studies/Turisztikai és Vidékfejlesztési Tanulmányok, 8(2).

Makó Zoltán, **Salamon Júlia**, Korrelált egyensúly a fuzzy játékokban (Echilibru corelat în jocurile fuzzy), Alkalmazott Matematikai Lapok, nr. 40, 2023, pp, 113-123 (MathSciNet, Zentralblatt) ISSN 0133-3399

Anexa 2.2 Lucrări științifice prezentate la conferințe internaționale cu comitet de program

2025

The Relational Model of the Library Database. **Illyés László**, 17th International Conference on Economics and Business, CHALLENGES IN THE CARPATHIAN BASIN

Kristó Csongor and **László Pál**, Application of constrained optimization in index tracking portfolio construction, 17th International Conference on Economics and Business: Challenges in the Carpathian Basin, Cluj-Napoca, 2025.

László Pál and Csongor Kristó, Index Tracking Portfolio Construction with Sector Weight and Turnover Constraints, 10th International Conference on Mathematics and Informatics, Targu-Mures, September 8-12, 2025.

Salamon Júlia, **Makó Zoltán**, Searching for correlated equilibriums in interval valued games, 17th Annual International Conference on Economics and Business, Miercurea Ciuc, Ed. Risoprint, 2025, pp. 377-387. ISBN: 978-973-53-3346-8

Makó Zoltán, **Salamon Júlia**, Intuitionistic fuzzy certainty equivalence in prospect theory, 17th Annual International Conference on Economics and Business, Miercurea Ciuc, Ed. Risoprint, 2025, pp. 368-376. ISBN: 978-973-53-3346-8

Edit Garda-Mátyás, The solution of quadratic and cubic functions with additional conditions, In N. Benedek (Ed.), 17th International Conference on Economics and Business: Challenges in the Carpathian Basin, Miercurea Ciuc, Editura RISOPRINT, 2025, pp. 388-396. (ISBN: 978-973-53-3346-8)

Attila Boldizsár, **Bíborka Eszter Bíró**: Comparative financial analysis of domestic, foreign and international oil companies in Ed. Nagy Benedek: Challenges in the Carpathian Basin, 17th International Conference on Economics and Business, 2025, Conference volume, Ed. Risoprint, Cluj Napoca, pp. 510-522

Bíborka Eszter Bíró, Boróka Júlia Bíró: The rise of artificial intelligence in financial markets: reshaping investment decision making, in Ed. Nagy Benedek: Challenges in the Carpathian Basin, 17th International Conference on Economics and Business, 2025, Conference volume, Ed. Risoprint, Cluj Napoca pp. 13-24

Gábor Silvia, **dr. Bíró Bíborka Eszter**: The economic impacts of artificial intelligence, in Ed. Nagy Benedek: Challenges in the Carpathian Basin, 17th International Conference on Economics and Business, 2025, Conference volume, Ed. Risoprint, Cluj Napoca pp. 550-558

Bíró, P, Nagy, Zs. T., Csernoch, M. (2025). Assessment of Prior Knowledge and Algorithmic Skills Among First-Year Computer Science Students, in Ed. Nagy Benedek: Challenges in the Carpathian Basin, 17th International Conference on Economics and Business, 2025, Conference volume, Ed. Risoprint, Cluj-Napoca, pp. 329-338, 2025.

Biró, P.: Comparing algorithmic skills among hungarian and foreign computer science students. In: EDULEARN25 Proceedings / Luis Gómez Chova; Chelo González Martínez; Joanna Lees, IATED, Palma, Spain, 5013-5022, 2025, (ISSN 2340-1117) ISBN: 9788409742189

2024

Jackknife Instrumental Variable Inference, **Sándor Z.**, Annual Scientific Conference of Romanian Academic Economists from Abroad, ERMAS

What is the physical and philosophical consequence of Hilbert's famous theorem, according to which Bolyai-Lobachevskii plane geometry cannot be implemented globally as internal geometry of a surface in 3-dimensional space?, **Oláh-Gál Róbert**, The 12th Bolyai–Gauss–Lobachevsky (BGL) Conference on Non-Euclidean Geometry in Modern Physics and Mathematics

Biró, P. (2024). Az interaktív tábla lehetőségei és gyakorlati hasznossága. In: INDEHEP E-KÉZIKÖNYV, Innovatív digitális tananyagfejlesztés a felsőoktatásban / Szakál Zoltán, Takács Péter, Debreceni Egyetem Egészségtudományi Kar, Debrecen, 324-342, 2024. ISBN: 9789634906674

Biró, P. (2024). Možnosti interaktívnej tabule a jej praktická využitelnosť. In: INDEHEP E-HANDBOOK, Inovatívne digitálne učebné osnovy Vývoj vo vysokobkolskom vzdelávaní / Zoltán Szakál, Péter Takács, Debrecínska univerzita, Fakulta zdravotníckych vied, Debrecen, 314-333, 2024. ISBN: 9789634906650

Biró, P. (2024). Posibilitățile tabloului interactiv și utilitatea sa practică. In: INDEHEP E-HANDBOOK, Curriculum digital inovator în învățământul superior / Zoltán Szakál, Péter Takács, Universitatea din Debrecen Facultatea de Științe ale Sănătății, Debrecen, 323-341, 2024. ISBN: 9789634906666

Biró, P. (2024). The possibilities of the interactive whiteboard and its practical usefulness. In: INDEHEP E-HANDBOOK, Innovative Digital Curriculum Development in Higher Education / Zoltán Szakál, Péter Takács, University of Debrecen Faculty of Health Sciences, Debrecen, 313-331, 2024. ISBN: 9789634906605

2023

A Framework for the Estimation of Demand for Differentiated Products with Simultaneous Consumer Search, **Sándor Z.**, 1st Business Data Science - Tinbergen Institute Conference: "Consumer Search and Markets"

Consumer Search, **Sándor Z.**, 16th International Conference on Economics and Business CHALLENGES IN THE CARPATHIAN BASIN Towards a new sustainability?

Some set theory considerations on a classical database using design and query from three conceptually different databases: relational, document-oriented and graph, **Ilyés László** 16th International Conference on Economics and Business, CHALLENGES IN THE CARPATHIAN BASIN

Graph database for connected competences for the Zöld Kakas Special Educational Institute, **Ilyés László** 16th International Conference on Economics and Business 2023, CHALLENGES IN THE CARPATHIAN BASIN

Pál László és Sándor Zsolt, Numerical methods for parameter estimation of random coefficient demand systems, 9th International Conference on Mathematics and Informatics, Targu-Mures, September 7-8, 2023.

Boróka Júlia Bíró, **Bíborka Eszter Bíró**, Post-Covid evolution of an online food delivery system in Romania. In: Fejér-Király Gergely, György Ottilia, Kádár Beáta, Kassay János, Madaras Szilard, Nagy Benedek, Péter Emőke-Katalin, Ilyés László (ed.): 16th Annual International Conference on Economics and Business, Challenges in the Carpathian Basin, Cluj Napoca, Ed. Risoprint, 2023, pp. 306–317., ISBN 978-973-53-3038-5

Bíró Biborka Eszter, Bíró Boróka Júlia, Agriculture and food industry in the time of crisis. The financial analysis of Bunge Ltd. In: Fejér-Király Gergely, György Ottilia, Kádár Beáta, Kassay János, Madaras Szilard, Nagy Benedek, Péter Emőke-Katalin, Ilyés László (szerk.): 16th Annual International Conference on Economics and Business, Challenges in the Carpathian Basin, Cluj Napoca, Ed. Risoprint, 2023, pp. 115–128., ISBN 978-973-53-3038-5

János Varga, Ágnes Csiszárík-Kocsir, Mónika Garai-Fodor, **Bíborka Eszter Bíró**, Boróka Júlia Bíró, Kinga Katalin Székely, The pandemics pressure to change the lives of Hungarian and Romanian Businesses. In: Fejér-Király Gergely, György Ottilia, Kádár Beáta, Kassay János, Madaras Szilard, Nagy Benedek, Péter Emőke-Katalin, Ilyés László (szerk.): 16th Annual International Conference on Economics and Business, Challenges in the Carpathian Basin, Cluj Napoca, Ed. Risoprint, 2023, pp. 197–203., ISBN 978-973-53-3038-5

János Varga, Ágnes Csiszárík-Kocsir, **Bíborka Eszter Bíró**, Kinga Katalin Székely, Boróka Júlia Bíró, Mónika Garai-Fodor, Change Management Practices and the impact of the Pandemic on Hungarian and Romanian SMEs. In: Szakál Anikó (szerk.): 17th International Symposium on Applied Computational Intelligence and Imfoematics SACI Proceedings, Budapest, Óduba University, 2023, pp. 273–278.

János Varga, Mónika Garai-Fodor, Ágnes Csiszárík-Kocsir, **Bíborka Eszter Bíró**, Boróka Júlia Bíró, Kinga Katalin Székely, Változtatási kényszerek és igények a pandémia hatására a magyar és a román vállalkozások példáján keresztül (Presiuni și nevoi de schimbare în fața pandemiei, prin exemplul întreprinderilor din Ungaria și România). In: Bodáné Kendovics Rita (szerk.): A tudomány és az oktatás felelőssége, Budapest, Óbuda Univerity, 2023, pp. 327–334.

Biró, P., Kádek, T. (2023). Task annotation capabilities of the Progcont System in practice. In: Challenges in the Carpathian Basin / Nagy Benedek; Fejér-Király Gergely; György Otilia; Ilyés László; Kassay János; Madaras Szilárd; Péter Emőke-Katalin, RISOPRINT, Cluj-Napoca, 318-327, 2023. ISBN: 9789735330385.

Pánovics, J., Kádek, T., **Biró, P.** (2023). A ProgCont rendszer jelene és jövője. In: INFODIDACT 2022 / Szlávi Péter; Zsakó László, Webdidaktika Alapítvány, Budapest, 1-6, 2023. ISBN: 9786158060868.

Anexa 2.4 Lucrări științifice (tehnice) publicate în alte reviste științifice

2025

Zakariás Adrienn, **Lőrincz Annamária** (2025): PISA survey on students' financial literacy in Transylvania, *ECONOMY AND FINANCE: ENGLISH-LANGUAGE EDITION OF GAZDASÁG ÉS PÉNZÜGY* 12(2), 167-192. <https://doi.org/10.33908/EF.2025.2.2>

2024

Lőrincz Annamária (2024): Székelyföldi turizmus-vendéglátásban tevékenykedő vállalatok munkavállalói teljesítménymérési, értékelési, és menedzsment gyakorlatának vizsgálata (Különös tekintettel Hargita megyére). *Economica*, 15(1-2), 22-32. <https://doi.org/10.47282/economica/2024/15/1-2/13493>

Lőrincz Annamária (2024): Székelyföldi turizmus-vendéglátásban tevékenykedő vállalatok teljesítménymérési gyakorlata (különös tekintettel Hargita megyére), *CONTROLLER INFO* 12, 48-53. <https://doi.org/10.24387/CI.2024.3.8>

Anexa 2.5 Cărți (capitole de cărți) științifice sau traduceri de specialitate (pt. domeniul traducere-interpretare)

2025

Csapó, J., Bálint, B., Bálint, Gy., Čavlek, N., Csóka, L., Gergely, N., Gonda, T., György, O., Halik Ł., Kassay, J., Krajnović, V., Nagy, B., Raffay, Z., Siwek M., Sowa P., Zajadacz, A. 2025. Teoria și practica turismului accesibil în Europa Centrală - implicații ale unui proiect internațional de cooperare (Traducere de György, O. și **Nagy, B.**, carte original apărută în 2024 sub titlul: „The Theory and Practice of Accessible Tourism in Central Europe – Implications from an International Project Co-operation”). Editura Scientia, Cluj-Napoca. 254 p. ISBN: 978-606-975-099-5

Biró Piroška: Python – Tudástár, **2025.** John C. Shovic, PhD, and Alan Simpson: Python Essential ISBN: 978-615-6741-07-3, 176 pagini, Publicată: 2025.05.27. Panem Kiadó: <https://panem.hu/kezdolap/1552-python-tudastar.html>

Anexa 3.1 Membri (incluzând statutul de recenzor) în colectivele de redacție ale unor reviste (cotate ISI sau incluse în baze de date internaționale) sau în colective editoriale ale unor edituri internaționale recunoscute

	Nume	Titlul revistei/editurii	Statut
1	Sándor Zsolt	Acta Universitatis Sapientiae, Economics and Business (BDI)	redactor
2	Sándor Zsolt	International Journal of Industrial Organization (ISI)	recenzor
3	Bíró Bíborka Eszter	Acta Universitatis Sapientiae, Economics and Business (BDI)	membru comitet de redacție
4	Fejér-Király Gergely	Acta Universitatis Sapientiae, Economics and Business (BDI)	membru comitet de redacție
5	Madaras Szilárd	Acta Universitatis Sapientiae, Economics and Business (BDI)	membru comitet de redacție
5	Nagy Benedek	Acta Universitatis Sapientiae, Economics and Business (BDI)	membru comitet de redacție
6	Szőcs Attila	Acta Universitatis Sapientiae, Economics and Business (BDI)	membru comitet de redacție
7	Tóth József	Acta Universitatis Sapientiae, Economics and Business (BDI)	membru comitet de redacție
8	Nagy Benedek	Sustainability https://www.mdpi.com/journal/sustainability/special_issues/W7614R3CXP	guest editor
9	Makó Zoltán	Acta Universitatis Sapientiae, Mathematica (WoS, BDI)	membru comitet de redacție

Anexa 3.5 Conducători de doctorat, membri ai unității de cercetare
Sándor Zsolt (Școala Doctorală SEGA, UBB)

Anexa 3.6 Doctori în știință, membri ai unității de cercetare

1. Dr. Sándor Zsolt
2. Dr. MAKÓ Zoltán
3. Dr. TÓTH József
4. Dr. JÓZON Mónika
5. Dr. LÁZÁR Ede
6. Dr. PÁL László
7. Dr. PÉTER E. Katalin
8. Dr. SALAMON Júlia
9. Dr. VARGA József
10. Dr. BÍRÓ Bíborka Eszter
11. Dr. BIRÓ Piroska
12. Dr. FEJÉR-Király Gergely
13. Dr. FÜLÖP Kinga-Erzsébet
14. Dr. GARDA-MÁTYÁS Edit
15. Dr. GYÖRGY Ottilia
16. Dr. ILLYÉS László
17. Dr. KÁDÁR Beáta
18. Dr. KASSAY János

19. Dr. KOROSZCZYNÉ PAVLIN Rita (în concediu maternal fără plată)
20. Dr. MADARAS Szilárd
21. Dr. NAGY BENEDEK
22. Dr. OLÁH-GÁL Róbert
23. Dr. SZŐCS Attila
24. Dr. WENGRITZKY Zsuzsanna
25. Dr. GABOR Manuela Rozalia
26. Dr. GÁL Veronika
27. Dr. Maria MORARU
28. Dr. PARÁDI Dolgos Anett
29. Dr. BAREITH Tibor
30. Dr. ELEK Sándor
31. Dr. FÜLÖP Árpád-Zoltán
32. Dr. GERÉB László
33. Dr. KOVÁCS Lehel István