Lista de lucrări

Numele şi prenumele: Illyés László

A. Teza de doctorat.

Contribuţii la conceperea, proiectarea şi implementarea unor sisteme de asistare a deciziilor utilizând algoritmi genetici

B. Cărti publicate

1. Elek S., **Illyés L.**, György O., Péter E.K. (2016) *Családi kisgazdaságok Magyarországon és Romániában*, Presa Universitară Clujeană, ISBN - 978-973-595-973-9

C. Lucrări ştiinţifice publicate

C2. Lucrări ştiinţifice publicate în reviste indexate în baze de date internaţionale (indicaţi şi baza de date).

1. 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
2. Filep Levente, **Illyés László**, Exact fit problem generator for cutting and packing, revisiting the upper deck algorithm, Acta Universitatis Sapientiae, Informatica, Vol. 10,1, 2018, pp. 73–85., DOAJ, EBSCO, Zentralblatt fur Mathematics
3. Elek Sándor, György Ottilia, **Illyés László,** Péter Emőke Katalin, An Application of the Fuzzy Method in the Analysis of Family Farms, *JEBR*, Vol. 2016, No 22/2, 2016, ISSN 2068-3537, pp. 116–134., DOAJ, EBSCO, Index Copernicus, ResearchGate
4. **Illyés L.**, Sándor Zs..(2014) *A comparison of Algorithms for Conjoint Choice Designs*, Acta Univ. Sapientiae, economics and Business, 2. (2014) 95-108
5. E. K. Péter, **L. Illyés** (2014) *Neural Network Analyses of the Romanian People working in Foreign Country's*, Journal of Economics and Business Research No.1, 2014, pp. 21-32. (**DOAJ, EBSCO, INDEX COPERNICUS, SCIPIO, EconBiz**)
6. **Illyés, L.** (2010) *Meta Tables, Meta SQL Instructions and Gödel's Theorems of Incompletness*. Timisoara Journal of Economics; Vol 3, No 3(11)
    a. http://www.tje.uvt.ro/index.php/tje/article/view/77
7. **Illyés, L.** (2009) *Cohesion and Balance in a Human Resource Allocation problem*, Acta Cybernetica, 19(1):93-103, 2009, - recenzat de **Mathematical Reviews**, **Computing Reviews** şi **Zenterblatt für Mathematics** şi indexat de **Scopus** şi **DBLP**
8. **Illyés, L.**; Pál, L., (2005) Generalized particular covering problem with genetic algorithms, AMO–Advanced Modeling and Optimization, Volume 7, Number 1, 2005, pp.1-7, ISSN-1841-4311 – **Mathematical Reviews (MR 2304343)**, **Zenterblatt für Mathematics (zbl 1160.90636)**
    a. http://www.ici.ro/camo/journal/v7n1.htm

C3. Lucrări ştiinţifice publicate în reviste din străinătate (altele decât cele menţionate anterior).

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

1. Péter,E.K. - **Illyés L.**, 2019 - "A helyi értékesítés szerepe Csíkszereda és vonzáskörzetében (The role of local marketing in Csíkszereda and its agglomeration) "Revista.Gazdálkodás, 2019, 3, Agrárgazdasági Kutató Intézet, ISSN.0046-5518, p.204-218

C6. Lucrări ştiinţifice publicate în volumele manifestărilor ştiinţifice

1. **Illyés László**, 2025: The Relational Model of the Library Database. In 17th International Conference on Economics and Business, CHALLENGES IN THE CARPATHIAN BASIN, p.397-402, ISBN:978-973-53-3346-8 Risoprint Cluj –Napoca 2025
2. Elek,S.- **Illyés,L.-**György,O- Péter,E.K.,2023**:** Family farms in Harghita County. In 16th International Conference on Economics and Business 2023, CHALLENGES IN THE CARPATHIAN BASIN, p.25-36, ISBN:978-973-53-3038-5 Risoprint Cluj –Napoca 2023
3. **Illyés László**, Péter Emőke-Katalin (2018), To Survive or not to survive-Farms in short supply chains in Harghita County. In: Csata Andrea, Fejér-Király Gergely, Kassay János, Nagy Benedek, Pál László (szerk.): Challenges in the Carpatian Basin, Kolozsvár, Risoprint, 2018, pp. 160–170.
4. Elek S., György O., **Illyés L.**, Péter E. K. (2014), Családi gazdaságok Székelyföldön (egy empirikus kutatás néhány eredménye). *In:* Sándor-Zsigmond Ibolya Visy Zsolt, eds. *Székely gazdálkodás régen és most*, Molnár István Múzeum, Pécsi Tudományegyetem Pro Énlaka Alapítvány, Gheorgheni, ISBN 978-606-8352-41-1, pp. 93-106
5. Elek S., György O., **Illyés L.**, Péter K. (2012), Önellátás és/vagy árutermelés. *In:* Fejér-Király G. Lázár E., eds. *Vállalkozói és gazdasági trendek a Kárpát-medencében*, Státus Könyvkiadó, Miercurea Ciuc, ISBN 978-606-8052-76-2 & 3, pp. 317-338
6. **Illyés L**. (2007), Canonical genetic algorithm: model, implementation and framework, *In: Competitiveness and European Integration, Business information system&collaborative support systems in business*, Risoprint, Cluj Napoca, ISBN 978-973-751-597-1, pp. 183-186
7. **Illyés L**. (2007), Balanced Student Groups Forming for University Projects Using Genetic Algorithm, *Informatics in Knowledge Society, the proceedings of the eight international conference on informatics in Economy*, ASE Printing House, ISBN 978-973-594-921-1 pp.554-559
8. **Illyés L**., (2005), Traveling Salesman Problem with Time Windows Solved with Genetic Algorithms, *Collaborative Support Systems in Business and Education, International Workshop*, Babeş-Bolyai University- Faculty of Economics and Business Administration, Risoprint, Cluj Napoca, ISBN: 973-651-008-9, pp.146-151.
9. **Illyés L**., Fábián Cs. B., (2005), "Jigsaw" problem generator for 2D rectangle single large object for non-guillotine and guillotine cutting, *WSCSP2005, Workshop on Cutting Stock Problems 2005*, Alutus Miercurea-Ciuc, ISBN 978-973-7875-28-0 pp.83-90

G. Contracte de cercetare (menţionaţi calitatea de director sau membru)

1. **1326/2004-2006 IPC Sapientia:** Rezolvarea problemelor de croire bidimensională în condiţii vagi şi cu funcţii obiectiv multiple cu ajutorul unor algoritmi genetici şi evolutivi. – membru
2. **2009-2010 IPC Sapientia :** Családi gazdaságok Székelyföldön (Economii familiale în secuime) – membru
3. **PN-II-ID-PCE-2012-4-0066/2013-20015 UEFISCDI – CNCS:** Analysis of Consumer Demand: Likelihood-Based Estimation and Applications – membru

K. Alte realizări semnificative.

Participări la conferinţe naţionale şi internaţionale

1. Illyés László, (2025): Database structure in MySQL and MongoDB to solve some Features of the Library Application, I. ECONMATH CONFERENCE Current research trends in economics and mathematics 19 September 2025, Sfântu Gheorghe, Romania
2. Illyés László, (2025): The Relational Model of the Library Database. In 17th International Conference on Economics and Business, CHALLENGES IN THE CARPATHIAN BASIN, 21-23 may 2025
3. Illyés László (2024), Problémagenerátor és a felső sarok algoritmus egy 2 dimenziós téglalapos szabási problémánál. (Problem generator and upper deck algorithm in a 2 dimensional regtangle cutting problem), Magyar Tudomány napja Erdélyben 2024.11.15-17., Matematika és informatika alkalmazásokkal konferencia, Csíkszereda, Sapientia EMTE és Márton Áron Főgimnázium,
4. Illyés László (2023), Some set theory considerations on a classical database using design and query from three conceptually different databases: relational, document-oriented and graph, 16th International Conference on Economics and Business 2023, CHALLENGES IN THE CARPATHIAN BASIN, 10-12 May 2023
5. Illyés László (2023), Graph database for connected competences for the Zöld Kakas Special Educational Institute, 16th International Conference on Economics and Business 2023, CHALLENGES IN THE CARPATHIAN BASIN, 10-12 May 2023
6. Illyés László (2021), *Changes in shopping habits during the epidemic. A data minig approach*, 15th International Conference on Economics and Business, CHALLENGES IN THE CARPATHIAN BASIN. Global Challenges - Local Answers. Interdependencies or Slobalisation?, 04 March 2021
7. Illyés László (2019), A német autópiac elemzése adatbányászati módszerekkel (The analysis of the German automobile market with data-minig tools), „Kárpát-medencei geopolitikai konferencia“ (Geopolitical Conference of the Carpathian Basin), Selye János University, Komarno (Slovakia) 27-29 june 2019
8. Illyés László, Péter Emőke Katalin (2018), To survive or not to survive - farms in short supply chains in Harghita County. 14th Annual International Conference on Economics and Business CHALLENGES IN THE CARPATHIAN BASIN Innovation and technology in the knowledge based economy / 14th Annual International Conference on Economics and Business, Miercurea Ciuc 10-05-2018
9. Illyés László (2018), German Automobile Market and Scrapping Scheme of 2009 – a Machine Learning approach. 14th Annual International Conference on Economics and Business

CHALLENGES IN THE CARPATHIAN BASIN Innovation and technology in the knowledge based economy / 14th Annual International Conference on Economics and Business, Miercurea Ciuc 10-05-2018

10. Illyés L. (2016) *About a Hibrid SQL-NoSQL on-line Catalogue for the University Library*, 13th Annual International Conference on Economics and Business – Challenges in the Carpathian Basin, Miercurea Ciuc, 20-22 oct. 2016
11. Illyés L. (2015) Challanges in accounting-based data-structures, 12th Annual International Conference on Economics and Business – Challenges in the Carpathian Basin, Miercurea Ciuc, 5-6 JUNE, 2015
12. Illyés L. (2014), *Algorithms for Conjoint Choice Designs*, International Conference Natura-econ 4, Sfântu Gheorghe, 09 april 2014
13. Illyés L. (2010), Meta Tables, Meta SQL Instructions and Gödel's theorems of incompleteness, *Conferința Teorie, realități și perspective economice în Uniunea Europeană*, Timișoara, 7-8 mai, 2010
14. Illyés L. (2009), Structuri de cromozomi pentru algoritmi genetici, *Conferinţa Matinfo*, Tirgu Mures, 8 iunie 2009.
15. Illyés L. (2008), Cohesion and balance in a human resource allocation problem, *Conferinţa internaţională CSCS2008 pentru doctoranzi în ştiinţa calculatoarelor*, Szeged, 2-5 iulie 2008
16. Illyés L. (2007), Canonical genetic algorithm: model, implementation and framework, Competitiveness and European Integration, Business information system&collaborative support systems in business, Risoprint, Cluj Napoca, ISBN 978-973-751-597-1, pp. 183-186
17. Illyés L. (2007), Balanced Student Groups Forming for University Projects Using Genetic Algorithm, Informatics in Knowledge Society, the proceedings of the eight international conference on informatics in Economy, ASE Printing House, ISBN 978-973-594-921-1 pp.554-559
18. Illyés L. (2007), Csapatválasztási algoritmusok megoldása Greedy és genetikus algoritmusok segítségével, Marosvásárhelyi minikonferencia
19. Illyés L. (2006), Grundfoci-csapatválasztás algoritmusa (Algoritmul formării de echipe de fotbal pe terenul de joacă), Bolyai Farkas Emlékkonferencia, Sapientia-EMTE Csíkszereda, 2006 november 25-26
20. Illyés L. (2006), Balanced Groups Forming with Genetic Algorithms, Conferinţă memorială Tiberiu Popoviciu, Cluj Napoca, octombrie 2006
21. Illyés L., (2005), Traveling Salesman Problem with Time Windows Solved with Genetic Algorithms, Collaborative Support Systems in Business and Education, International Workshop, Babeş-Bolyai University- Faculty of Economics and Business Administration, Risoprint, Cluj Napoca, ISBN: 973-651-008-9, pp.146-151.
22. Illyés L., Fábián Cs. B., (2005), "Jigsaw" problem generator for 2D rectangle single large object for non-guillotine and guillotine cutting, WSCSP2005, Workshop on Cutting Stock Problems 2005, Alutus Miercurea-Ciuc, ISBN 978-973-7875-28-0 pp.83-90
23. Illyés L., (2005), Upper Angle Placement Algorithm with Genetic Approach for 2D Rectangle Knapsack Problem, 2nd ESICUP Meeting, University of Southampton, Southampton, UK 14-16 april 2005

Data, 14 septembrie 2026